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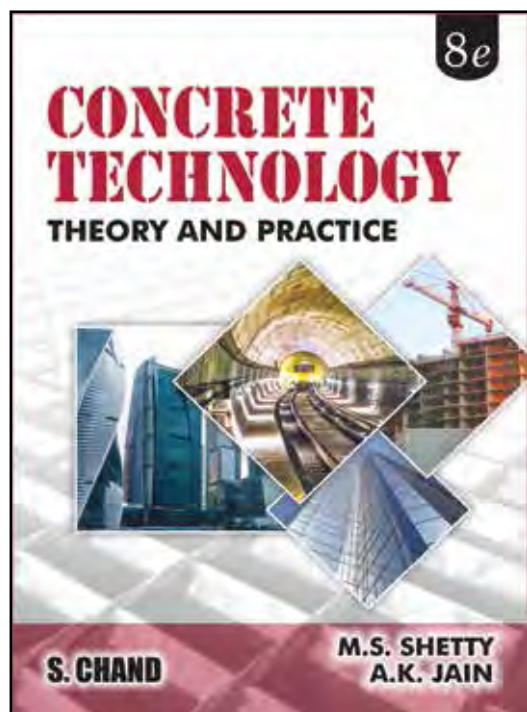
CIVIL & ENGINEERING

CONTENTS

Engineering & Technology

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Concrete Technology Theory and Practice, 8e

M S Shetty & A K Jain

Multicolour
Edition

Instructor's Resource available

About the Book

"Concrete Technology: Theory and Practice" gives students of Civil Engineering a thorough understanding of all aspects of concrete technology from first principles. It covers types of Cement, Admixtures, Concrete strength, durability and testing with reference to national standards. For more than 30 years, the book has evolved to be a must-read for all students of the subject and has also been a useful reference book for practising engineers.

Salient Features

- Divided into 16 chapters, the book elucidates all theories in an apropos manner.
- THREE NEW Chapters on "Production and Placing of Concrete", "Temperature Control of Concrete at Early Ages and Extreme Weather Concreting" and "Repair Technology for Concrete Structures".
- More than 900 figures, tables and references strengthen the well-explained theoretical concepts.

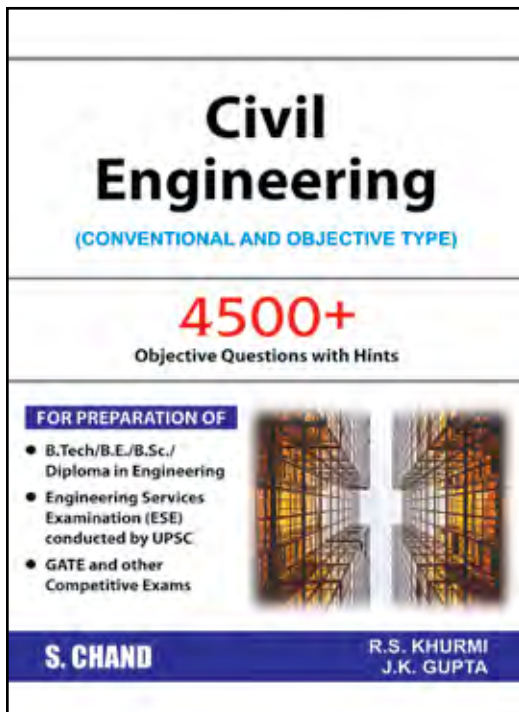
ISBN: 9789352533800 | Code: 9789352533800 | Price: ₹ 650 | Pages: 644 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| 1. Cement | 10. Durability of Concrete |
| 2. Types of Cement and Testing of Cement | 11. Testing of Hardened Concrete |
| 3. Aggregates and Testing of Aggregates | 12. Concrete mix Design |
| 4. Water | 13. Temperature Control of Concrete at Early Ages and Extreme Weather Concreting |
| 5. Admixtures and Construction Chemicals | 14. Special Concretes and Concreting Methods |
| 6. Properties of Fresh Concrete | 15. Self-Compacting Concrete |
| 7. Production and Placing of Concrete | 16. Repair Technology for Concrete Structure |
| 8. Strength of Concrete | |
| 9. Elasticity, Creep and Shrinkage | |

M S Shetty is ex-HOD, Department of Construction Engineering, College of Military Engineering (CME), Ministry of Defence, Pune and VP Indian Concrete Institute. Apart from that he has been principal consultant for MC Bauchemie and Grasim Industries Ltd. among others.

A K Jain is alumni of IIT Roorkee/ IIT Delhi and fellow of Institution of Engineers (India), Indian Concrete Institute, Indian Roads Congress and Indian Building Congress.



Civil Engineering (Conventional and Objective Type)

R S Khurmi & J K Gupta

About the Book

For more than 30 years, "Civil Engineering: Conventional & Objective Type" has been a comprehensive text for undergraduate students of Civil Engineering and has successfully helped them prepare for various competitive (such as GATE, UPSC, IAS and IES) as well as university examinations.

Salient Features

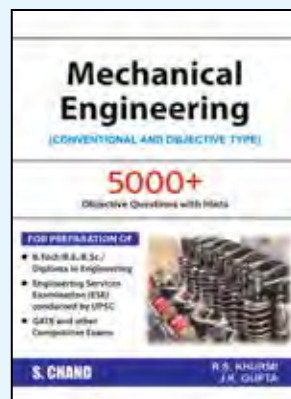
- Simple format ensures easy understanding and practice
- It now includes close to 4800 topic-wise solved and unsolved questions

ISBN: 9788121926058 | Code: 4010D00312 | Price: ₹ 650 | Pages: 736 | Size: 6.75" X 9.5" (Paperback)

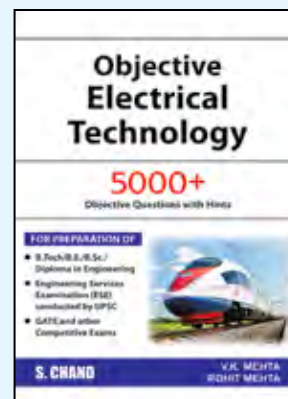
Contents

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|-----------------------------------|------------------------------------|---|
| 1. Engineering Mechanics | 7. Irrigation Engineering | 13. Concrete Technology |
| 2. Strength of Materials | 8. Public Health Engineering | 14. Reinforced Cement Concrete Structures |
| 3. Hydraulics and Fluid Mechanics | 9. Highway Engineering | 15. Steel Structures Design |
| 4. Hydraulic Machines | 10. Railway Engineering | 16. Construction Management |
| 5. Surveying | 11. Soil Mechanics and Foundations | 17. Engineering Geology |
| 6. Building Materials | 12. Building Construction | |

Objective Series for B.Tech/ B.E./B.Sc./ ESE & GATE Examinations



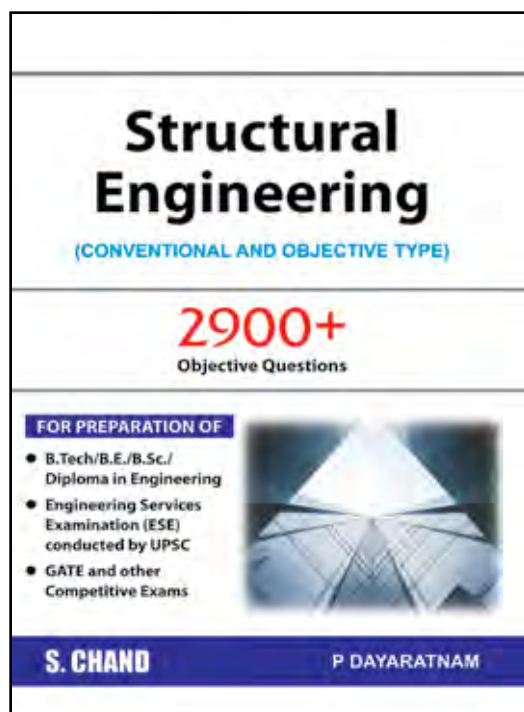
₹ 699



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Structural Engineering (Conventional and Objective Type)

P. Dayaratnam

About the Book

For a decade, Structural Engineering (Conventional and Objective Type) has provided fundamental knowledge of the subject to the students of Civil Engineering and aspirants of GATE students. Divided in 10 parts, each of which delves in primary topics of the subject. Major topics which are dealt with Structural Materials, Architectural Materials, Solid Mechanics and Structural Systems, Design of Steel Structures, Design of Reinforced Concrete Structures, Design of Prestressed Concrete Structures, Design of Masonry and Timber Structures, Construction Technology, Soil Mechanics & Foundation Engineering and GATE Questions.

Salient Features

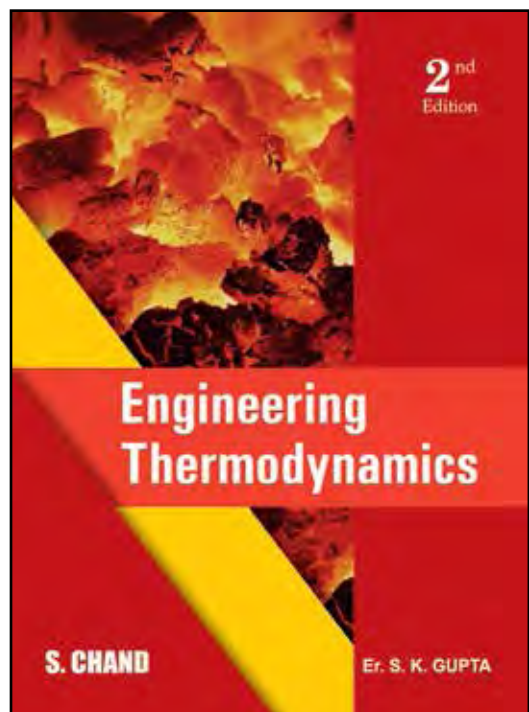
- New 10 years GATE Questions with Answers at the end of book specifically catering to the subject of Structural Engineering (More than 200 questions).
- 10 parts and 72 chapters treat every topic of the subject with due importance.
- Close to 3000 Objective Questions.
- Every chapter is divided in 2 sections: Section A is called the browser and section B has objective questions.

ISBN: 9788121931465 | Code: 1010A00392 | Price: ₹ 575 | Pages: 600 | Size: 6.75" X 9.5" (Paperback)

Contents

Part One: Structural Materials	3. Shear Force and Bending Moment	and Slabs	2. Masonry Construction
1. Building Stones	4. Stresses	4. Limit State Design of RC Beams and Slabs	3. Scaffolding Formwork in Concrete Construction
2. Clay Bricks and Tiles	5. Strains and Stress-Strain Relations	5. Cover, Tolerance and other Requirements in RC	4. Building Construction Finishes and Joints
3. Aggregates for Concrete	6. Deformations in Beams and Frames	6. RC Liquid Storage Structures	5. Cold Weather Concreting
4. Cements	7. Concepts in Structural Analysis	7. Bunkers, Silos and Bins	6. Tolerances in Steel Construction
5. Concrete Admixture	8. Methods in Structural Analysis	8. Ultimate Strength Design	7. Tolerances in Concrete Construction
6. Workability of Concrete	9. Plastic Analysis of Structures	Part Six: Design of Prestressed Concrete Structures	Part Nine: Soil Mechanics and Foundation Engineering
7. Strength, Durability and Acceptance Criteria of Concrete	Part Four: Design of Steel Structures	1. Concepts and Definitions	1. Definitions and Concepts in Soil Mechanics
8. Shrinkage and Creep in Concrete	1. Tolerances in Structural Steel Construction	2. Materials and Permissible Stresses	2. Flow through Soils
9. Timber	2. Riveted and Bolted Joints	3. Working Stress Design	3. Consolidation, Compressibility and Shear Strength
10. Structural Steel	3. Structural Welding	4. Limit State Design of Beams	4. Earth Pressure and Stability
Part Two: Architectural And Building Materials	4. Tension Members	5. Design for Shear Force	5. Bearing Capacity and Settlement of Soils
1. Adhesives	5. Struts and Columns	6. Concreting, Curing, Grouting, Formwork etc.	6. Design of Shallow Foundations Footings
2. Paints	6. Simple Bending Members	7. Prestress, Cables and Sheeting	7. Pavements
3. Lime	7. Plate Girders and Trusses	8. Tolerances, Covers, Spacing etc.	8. Pile Foundations
4. Gypsum	8. Industrial Building and Towers	9. Anchorage Bond etc.	9. Well and Caisson Foundations
5. Bitumen and Asphalt	9. Introduction to Plastic Design	Part Seven: Design of Masonry and Timber Structures	Part Ten: Structural Engineering Keywords and Gate Questions
6. Plywood and Fiber Board	10. Design of Water Tanks	1. Design of Wooden Structures	• Structural Engineering Keywords and Brief Meaning
7. Plastics	Part Five: Design of Reinforced Cement Concrete Structures	2. Design of Masonry Structures	• GATE Questions
8. Glass	1. Stress Strains and Deflection in RC Structures	Part Eight: Building Construction	
Part Three: Solid Mechanics And Structural Systems	2. Working Stress Design of Compression Members	1. Building By-Laws	
1. Sectional Properties	3. Working Stress Design of RC Beams		
2. Loads			

Dr. P. Dayaratnam is Former Professor and Head, Civil Engineering, IIT Kanpur and Former Vice Chancellor, Jawaharlal Nehru Technological University, Hyderabad.



Engineering Thermodynamics 2/e

Er. SK Gupta

About the Book

Engineering Thermodynamics completely covers the subject for both the students of Mechanical and Civil Engineering (as per AICTE). With topics such as Fuels and Combustion, Refrigeration and Air-Conditioning and Air Compressors delved into deeply and as many as 14 new chapters, it becomes one of the most comprehensive Indian-authored texts.

Salient Features

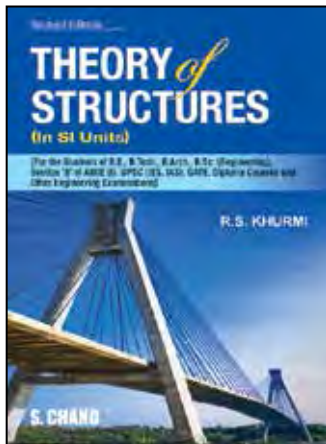
- Complete Coverage: Of two core courses as per AICTE - Mechanical Engineering (Subject Name: Thermodynamics) and Civil Engineering (Subject Name: Mechanical Engineering; Semester IV).
- Pedagogically Strong:
 - Point-wise chapter-end highlights for quick revision.
 - Close to 1000 figures, tables and examples for better grasp of the topics.
 - Close to 1200 exercises, questions and objective type questions for better practice.
 - Notes placed within chapters highlighting important concepts.
- 14 New Chapters on the following topics:
 - Thermodynamic Relations (1 Chapter)
 - Fuels and Combustion (3 Chapters)
 - Refrigeration and Air-Conditioning (4 Chapters)
 - Heat Transfer (1 Chapter)
 - Compressible Fluid Flow (1 Chapter)
 - Air Compressors (3 Chapters)
 - Working and Testing of I.C. Engines (1 Chapter)

ISBN: 9789352834051 | Code: 9789352834051 | Price: ₹ 599 | Pages: 1,064 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Basic Concepts	9. Vapour Processes	20. Air Conditioning Systems	Table 2: Properties of Saturated Water and Steam (Temperature based)
2. Zeroth Law of Thermodynamics	10. Vapour Power Cycles	21. Heat Transfer	Table 3: Properties of Superheated Steam
3. Ideal and Real Gases	11. Air Standard Cycles	22. Compressible Flow of Fluids	Chart 1: Mollier Diagram
4. First law of Thermodynamics	12. Mixture of Gases	23. Reciprocating Air Compressors	Chart 2: Psychrometric Chart
5. First Law Applied to Flow Processes	13. Thermodynamic Relations	24. Rotary Air Compressors	
6. Second Law of Thermodynamics	14. Fuels	25. Air Motors	
7. Entropy, Availability and Irreversibility	15. Combustion of Fuels	26. Working and Testing of I.C. Engines	
8. Properties of Pure Substances	16. Reacting Mixtures and Combustion	PROPERTIES OF STEAM	
	17. Refrigeration Cycles	Table 1: Properties of Saturated Water and Steam (Pressure based)	
	18. Vapour Compression and Absorption Refrigeration Systems		
	19. Psychrometry		

Er. SK Gupta is a post-graduate engineer and has good experience in technical education.



Theory of Structures (In SI Units)

R S Khurmi

About the Book

"Theory of Structures" covers the syllabus of most major Indian Universities.

The book is designed for the students of Civil Engineering but is also useful for the students of B. Arch, B.Sc. and AMIE. It also contains typical examples (useful for students appearing in competitive examinations in particular), highlights and unsolved examples. The book is aptly divided into 6 parts which is further sub-divided into 23 chapters ranging from topics like Beams, Bridges to Stresses and Deflection, Fixed beams to redundant frames and columns and struts.

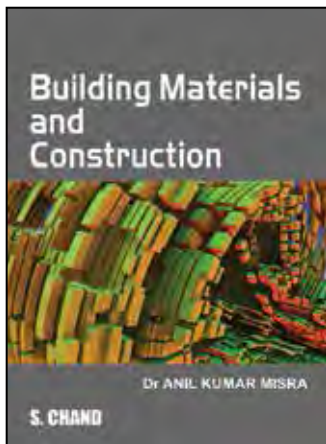
Salient Features

- Introductory first chapter discusses not only discusses the basic concepts but also all Units and also Mathematical Review
- Close to 900 figures, tables, examples and chapter-end highlights provide ample support to the theory explained
- In-text exercise questions provide practice to students as well as refresh the concepts explained in a practical manner.

ISBN: 9788121905206 | Code: 1010D00030 | Price: ₹ 699 | Pages: 730 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, Part-1 2. Rolling Loads, 3. Influence Lines for Beams, 4. Influence Lines for Trussed Bridges, Part-2 5. Direct and Bending Stresses (in Columns, Walls and Chimneys), 6. Dams and Retaining Walls, Part-3 7. Deflection of Beams, 8. Deflection of Cantilevers, 9. Deflection by Moment Area Method, 10. Deflection by Conjugate Beam Method, 11. Deflection of Perfect Frames, 12. Cables and Suspension Bridges, 13. Three-hinged Arches, Part-4 14. Propped Cantilevers and Beams, 15. Fixed Beams, 16. Three Moments Theorem (For Continuous Beams), 17. Slope Deflection Method, 18. Moment Distribution Method, 19. Column Analogy Method, 20. Two-hinged Arches, Part-5 21. Forces in Redundant Frames (Including Castiglano's & Maxwell's Theorems), Part-6 22. Columns and Struts, 23. Introduction to Plastic Theory, • Appendix: 1. Angle of Repose and Characteristics of Commonly Retained Materials, 2. Slopes and Deflections for Different Loadings on Cantilevers and Beams, 3. Relation between the Actual Beam and Conjugate Beam, 4. Fixed Beam Loadings and Fixed End Moments, 5. Properties of Plane Areas, • Index



Building Materials and Construction

Anil Kumar Misra

About the Book

"Building Materials and Construction" is primarily written for the students of Civil Engineering to make them familiar with building materials and construction practices to build their interest in the field. The book starts with explanation of building material concepts and goes on to explain all the important materials like Lime, Bricks, Cement, Timber, Concrete etc. in separate chapters following the same flow as prescribed in major universities.

Salient Features

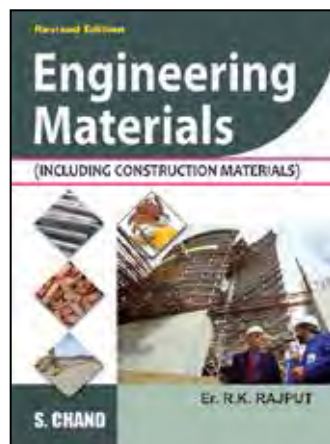
- Special emphasis on construction materials such as foundation work, stone and brick masonry, plastering work, door and window design, roof and floors and DPC among others.
- Exhaustive coverage of major Indian universities curriculum
- A separate chapter on modern construction techniques and instruments used in construction work

ISBN: 9789384319809 | Code: 1010000623 | Price: ₹ 275 | Pages: 384 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Building Stones, 2. Ceramic Building Materials, 3. Lime, 4. Bricks, 5. Cement, 6. Timber, 7. Mortar, 8. Pozzolans, 9. Concrete, 10. Geosynthetic Materials, 11. Special Concrete, 12. Formwork Materials, 13. Ferrous Metals, 14. Steel, 15. Non-ferrous Metals, 16. Glass, 17. Paints, Varnishes and Distemper, 18. Bitumen, Tar and Asphalt, 19. Plastic, 20. Miscellaneous Materials, 21. Brick Masonry, 22. Stone Masonry, 23. Foundation Work, 24. Arches and Lintels, 25. Plastering and Pointing, 26. Door and Windows, 27. Stairs and Lifts, 28. Roof and Floors, 29. DPC and Waterproofing, 30. Ordinary Building Construction Equipment's

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Engineering Materials (Including Construction Materials) 4e

R K Rajput

About the Book

For close to 20 years "*Engineering Materials*" is a useful resource for Civil Engineering students as well as practicing Engineers. It has been divided into 22 chapters ranging from - Building stones, Bricks and Lime to Mortar, Concrete and Timber, from Metals and Alloys to Insulating materials and from lubricating materials to ceramic materials. Special emphasis has been given to construction materials which is must to know for practicing engineers.

Salient Features

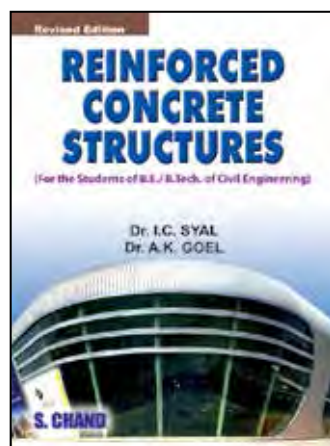
- The text tackles all major concepts of the subject in a concise but meticulous manner.
- Close to 300 Examples, Figures and chapter-end highlights aid to the understanding of students.
- A staggering 1500+ chapter-end Theoretical Questions and Objective Type Questions as well as book-end Short-Answer questions with answers are provided for practice.

ISBN: 9788121919609 | Code: 1010D00210 | Price: ₹ 475 | Pages: 528 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Building Stones, 3. Bricks and Other Clay Products, 4. Lime, 5. Cement, 6. Mortar, 7. Concrete, 8. Timber and Wood-based Products, 9. Metals and Alloys, 10. Paints, Varnishes, Distempers and Anti-termite Treatment, 11. Asphalt, Bitumen and Tar, 12. Asbestos, Adhesives and Abrasives, 13. Plastics and Fibres, 14. Glass, 15. Insulating Materials, 16. Fly-Ash, Gypsum and Gypsum Plaster, 17. Elastomers and Composite Materials, 18. Lubricating, Belting and Packing Materials, 19. Cutting Tool Materials, 20. Electrical Engineering Materials, 21. Material Science of Metals, 22. Ceramic Materials • Section: Short Answer Questions • Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Reinforced Concrete Structure 4e

I C Syal & A K Goel

About the Book

"*Reinforced Concrete Structures*" is strictly written as per the syllabus of different technological universities for Civil Engineering. It follows latest Indian Standard Specifications and Code of Practices related to cement and concrete. Detailed analysis and design of end blocks by different methods form an important feature of the book. This book will also be useful for practicing civil engineers for the knowledge of reinforced concrete in construction industry.

Salient Features

- Special emphasis on Masonry Structures, Concrete Bridges and Design examples of Limit State Method.
- More than 700 figures, tables, examples and charts showing details of reinforcement as practiced in India have been included in the book.
- SI Units equivalents and Properties of round bars have been included at the end of the book.

ISBN: 9788121923538 | Code: 1010C00282 | Price: ₹ 575 | Pages: 826 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Materials: 1. Introduction, Part-II: Working Stress Method of Design: 2. Reinforced Concrete Beam Analysis, 3. Beam Reinforced in Tension and Compression, 4. Shear, Bond and Torsion, 5. Design of Rectangular Beams, 6. Flanged Beams, 7. Slabs, 8. Axially Loaded Columns, 9. Combined Bending and Direct Stresses, 10. Foundations, 11. Stairs, 12. Retaining Walls, 13. Domes, 14. Beams Curved in Plan, 15. Reinforced Brick Work, 16. Formwork, Part-III: Limit State Method of Design: 17. Introduction to Limit State Design, 18. Limit State of Collapse: Flexure, 19. Limit State of Collapse: Shear, 20. Limit State of Collapse: Torsion, 21. Limit State of Collapse: Compression, 22. Limit State of Serviceability, 23. Development Length and Anchorage, Part-IV: Water Storage Tanks: 24. Water Tanks, Part-V: Prestressed Concrete: 25. Prestressed Concrete, 26. Masonry Structures, 27. Concrete Bridges, 28. Design Examples on Limit State Method, 29. Yield Line Theory • References • Appendices • A: Imposed Floor Loads for Different Occupancies • B: SI Units Equivalents • C: Properties of Round Bars • D: Unit Weights of Building Materials and Stored Materials • Index

I C Syal is retired Professor and Head, Department of Civil Engineering, Punjab Engineering College, Chandigarh.

A K Goel is Professor of Civil Engineering, Faculty of Engineering & Technology, Manav Rachna International University, Faridabad.



Irrigation Engineering and Hydraulic Structures

S K Sharma

About the Book

"Irrigation Engineering and Hydraulic Structures" is a comprehensive book dealing with all the aspects of Irrigation in India starting from soil moisture to different types of irrigation systems like Sprinkler, Tubewell, Canal and Micro-Irrigation. It also focuses on Engineering Hydrology, Dams, Water Power Engineering as well as Irrigation Water Management. The book specially highlights the principles, practices and design procedures that have been widely recommended around the world.

Salient Features

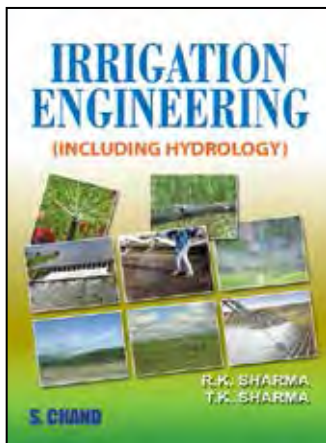
- Complete syllabi coverage of major Indian Universities, NIT's, IIT's, A.M.I.E and the like.
- Detailed designs of important hydraulic structures which are worked out with the help of illustrations.
- 1400+ chapter-end questions and references provide practice to the thorough content provided.
- Close to 950 Illustrations, tables and in-text problems aid the understanding of concepts.

ISBN: 9789352533770 | Code: 9789352533770 | Price: ₹ 725 | Pages: 1,200 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Irrigation and its Planning in India, 2. Irrigation Soils and their Fertility, 3. Principal Crops in India, 4. Soil-Water-Plant Relationships, 5. Irrigation Water - its Application and Assessment, 6. Sprinkler Irrigation, 7. Micro-irrigation (Drip/Trickle etc.), 8. Ground Water (Open Wells), 9. Tubewell Irrigation, 10. Canal Irrigation, 11. Unlined Canals – Silt Theories, 12. Unlined Canals – Their Planning and Design, 13. Lined Canals and their Design, 14. Lift Irrigation, 15. Water Logging, 16. Drains, 17. Land Reclamation, 18. River Engineering, 19. River Training Works, 20. Theories of Seepage, 21. Diversion Headworks, 22. Design of Weir/ Barrage and Canal Head Regulator, 23. Canal Regulators, 24. Canal Falls, 25. Cross-drainage Works, 26. Canal Outlets, 27. Engineering Hydrology, 28. Gravity Dams, 29. Arch Dams, 30. Buttress Dams, 31. Earth and Rockfill Dams, 32. Spillways, 33. Energy Dissipaters, 34. Water Power Engineering, 35. Irrigation Water Management

S K Sharma is a former Professor and Head, Civil Engineering Department, PEC University, Chandigarh. He graduated from IIT Kharagpur and also did his M.Sc. (Engineering) with distinction from Punjab University and completed his Ph.D. in record time.



Irrigation Engineering (Including Hydrology)

R K Sharma & T K Sharma

About the Book

"Irrigation Engineering" is written for the students of Civil and Agricultural engineering of different universities. Apart from its core objective of presenting the topics of Irrigation Engineering in a very lucid manner, the book focuses on clarity of concepts related with designing of Irrigation Engineering Structures thereby making it a must read for students.

Salient Features

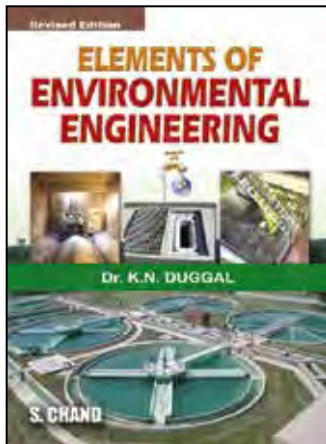
- Follows the practices as standardised by Bureau of Indian Standards.
- Theoretical principles have been blended with field practices for better understanding of principles and practices of irrigation engineering.
- Incorporates essence of planning design and construction of Bhakra Dam, Pong Dam and Sardar Sarovar Canal systems.
- 700 figures, tables and diagrams are followed by close to 400 question for better understanding of students.

ISBN: 9788121921282 | Code: 1010B00240 | Price: ₹ 625 | Pages: 752 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Irrigation Principles and Practices: 1. Irrigation, 2. Irrigation Water Requirement and Crops, 3. Irrigation System, 4. Methods of Irrigation, 5. Unlined Channels, 6. Lined Canals, 7. Drainage Engineering, Part-II: River Engineering: 8. River Mechanics, 9. River Training, Part-III: Canal Structures: 10. Headworks, 11. Control Structures, 12. Cross Drainage Works, 13. Bridges and Culverts, 14. Canal Outlets, Part-IV: Hydrology: 15. Hydrology, Part-V: Dam Engineering: 16. Reservoirs and Dam Planning, 17. Earth and Rockfill Dams, 18. Irrigation Water Requirement and Crops, 19. Arch Buttress Dams, 20. Discharge Facilities, Part-VI: Water Power Engineering: 21. Water Power Engineering, Part-VII: Irrigation Water Management: Irrigation Water Management • Appendix-I: Dam Safety • Appendix-II: Some Important Dams in India • Appendix-III: Some Typical Design Problems • Appendix-IV: Objective Type Question • Bibliography

R K Sharma is Consultant, Water Resources.



Elements of Environmental Engineering 3e

K N Duggal

About the Book

Primarily written to serve as a textbook for Civil Engineering, "*Elements of Environmental Engineering*" also serves the students of Chemical Engineering, AMIE, UPSC and Diploma courses. It brings together the three principal areas of environmental engineering - Water, Air and Earth pollution. The important principles and practices of Sanitary Engineering have been exhaustively covered so that it may be easy for the students preparing for various examinations. A book which has seen, foreseen and incorporated changes in the subject for more than 50 years, it continues to be one of the most sought after texts by the students.

Salient Features

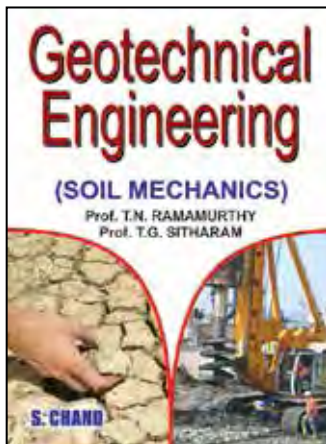
- Succinct treatment of the subject makes an otherwise difficult subject easier to understand.
- Equivalent MKS units have been given in parenthesis and illustrated through solved examples to make reader more convenient with their applications.
- 300+ figures and tables aid to the understanding of and more than 350 chapter end questions aid to the practice of students.

ISBN: 9788121915472 | Code: 1010D00189 | Price: ₹ 375 | Pages: 472 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Water Supply: 1. Introduction, 2. Quantity of Water, 3. Sources of Water Supply, 4. Intake Works and Transportation of Water, 5. Pumps and Pumping, 6. Quality of Water, 7. Treatment of Water, 8. Distribution System, Part-II: Sewerage and Sewage Treatment: 1. Introduction, 2. Underground Drainage and Sewerage, 3. Surface and Storm Water Drainage, 4. Sewer Appurtenance and Sewage Pumps, 5. Microbiology of Sewage, 6. Sewage Disposal and Treatment, 7. Sewage Treatment Methods, Part-III: 1. Water Supply and Drainage of Buildings, Part-IV: 1. Environmental Sanitation, A. Refuse and Solid Waste Management, B. Ventilation and Air Conditioning, C. Water and Industrial Pollution, D. Air Pollution, E. Noise Pollution, F. Soil and Agricultural Pollution, G. Thermal Pollution, H. Radioactive Pollution, I. Malaria Incidental to Engineering, J. Bioenergy and Biogas Generation • *Bibliography* • *Appendix-I: Metric System of Weights and Measurement* • *Appendix-II: Conversion Factors Used* • *Appendix-III: Origin, Characteristics, Effects and Treatment of Major Industrial Wastes* • *Index*

K N Duggal is Ph.D., C. Eng. (I) FIE.



Geotechnical Engineering (Soil Mechanics) 4e

T N Ramamurthy & T G Sitharam

About the Book

Primarily written for Civil Engineering, "*Geotechnical Engineering*" is also written at a level suitable for the first course in Geotechnical Engineering. It highlights the basic principles of soil mechanics along with application to many problems in the subject. The subject is explained in a very simple, clear and logical manner.

Salient Features

- Standard notations have been used throughout the book and content has been based on SI units.
- The "Introduction" chapter lays out all basic definitions required in the subject of Soil Mechanics.
- Additional questions for practice and 2 Appendixes (IS Sieves and Solution to Terzaghi's One Dimensional Consolidation Equation) are provided at the end of the book apart from close to 450 figures, tables, problems/examples and questions throughout the text to help students in developing analytical skill needed for problem solving.

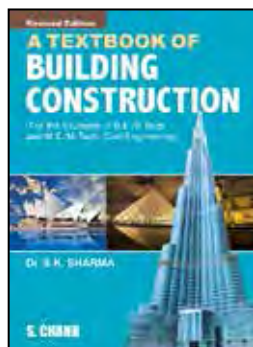
ISBN: 9788121924573 | Code: 1010C00301 | Price: ₹ 350 | Pages: 304 | Size: 6.75" X 9.5" (Paperback)

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1. Introduction, 2. Basic Terminology and Interrelations, 3. Index Properties of Soil, 4. Soil Classification Systems, 5. Soil Formation and Soil Structure, 6. Soil Water and Effective Stress, 7. Permeability, 8. Seepage Analysis, 9. Stress Distribution in Soil Mass, 10. Compaction, 11. Consolidation, 12. Shear Strength of Soils, 13. Stability of Slopes, A. *Additional Questions*, B. *Appendix-1: IS Sieves*, C. *Appendix-2: Solution to Terzaghi's One Dimensional Consolidation Equation* • *References* • *Index* • *Answers*

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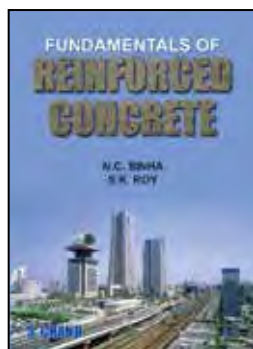
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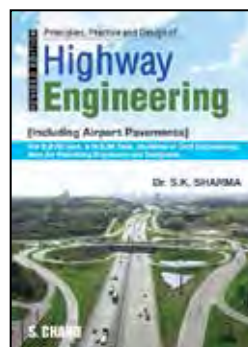
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N C Sinha is M.S. (Stanford), Ph.D. (Texas), F.I.E., (India) and a Chartered Engineer. He is former Professor and Head Department of Civil Engineering Bengal Engineering College, Howrah.

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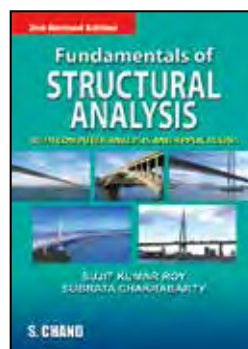
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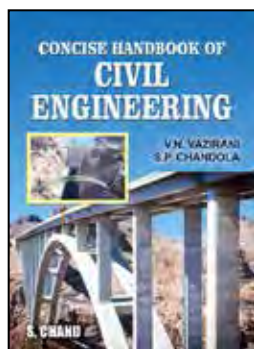
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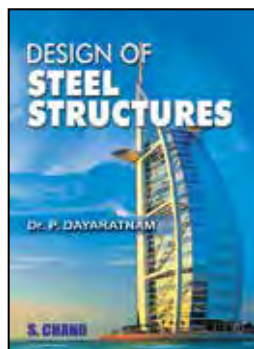
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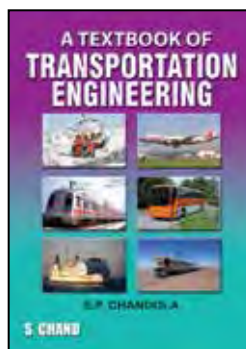
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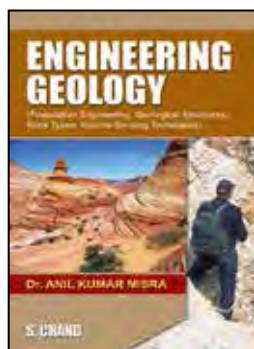
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S P Chandola is Ex. M.I. Structure Engineering (Lon), Ex. Chief Engineer and Managing Director; FARRODS (EA).



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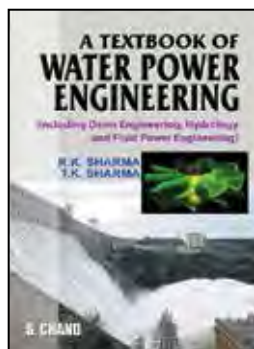
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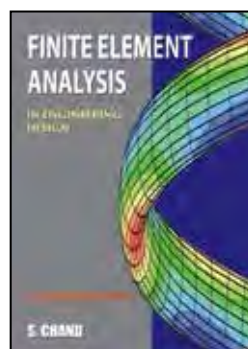
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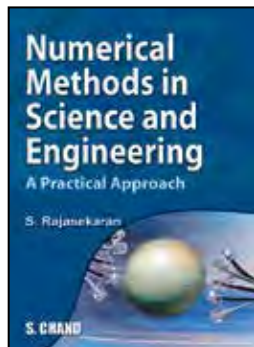
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S Rajasekaran is Ph.D. (Canada) D.Sc. (Civil Engg.), DSS, FIE, FIV, M.ASCE, MCSI, MISTE, FNAE, Professor of Infrastructural Engineering, Department of Civil Engineering, PSG College of Technology, Coimbatore.



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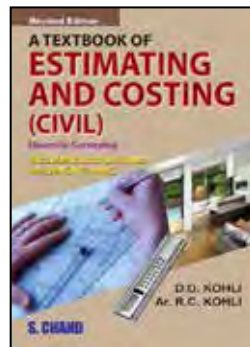
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S Rajasekaran is Ph.D. (Canada) D.Sc. (Civil Engg.), DSS, FIE, FIV, M.ASCE, MCSI, MISTE, FNAE, Professor of Infrastructural Engineering, Department of Civil Engineering, PSG College of Technology, Coimbatore.

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D D Kohli is formerly of PWD (B & R) and Thapar Polytechnic, Patiala.

R C Kohli is Former HOD, Thapar Polytechnic College, Patiala. Currently, he is HOD, Civil, E–Max Group of Institutes (Polytechnic), Ambala.

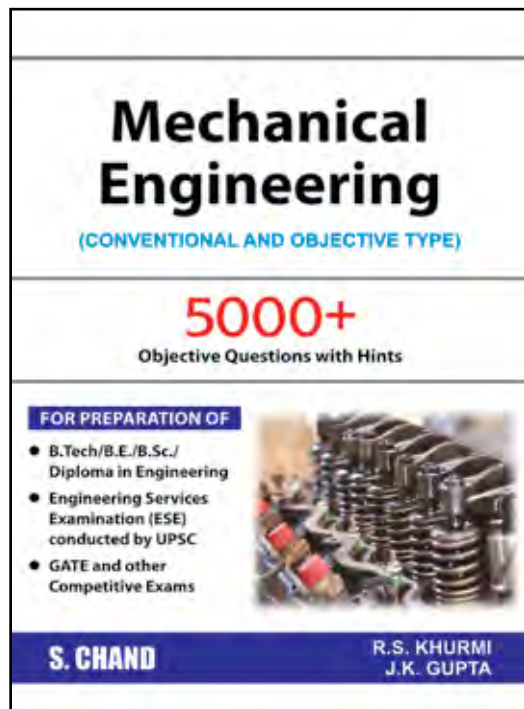
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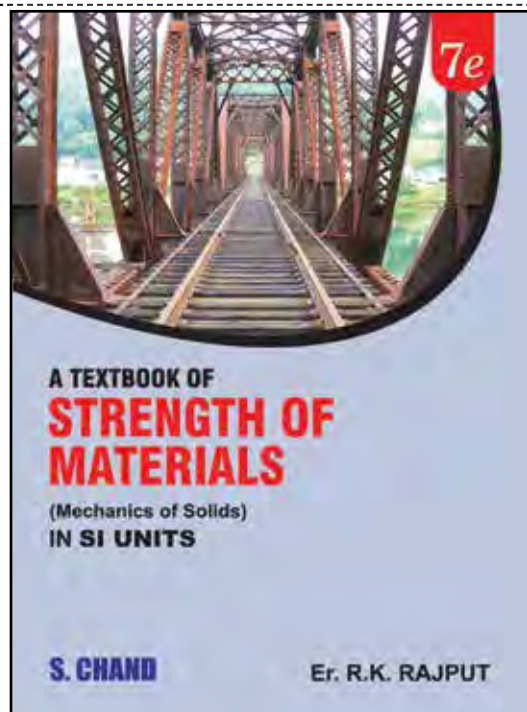
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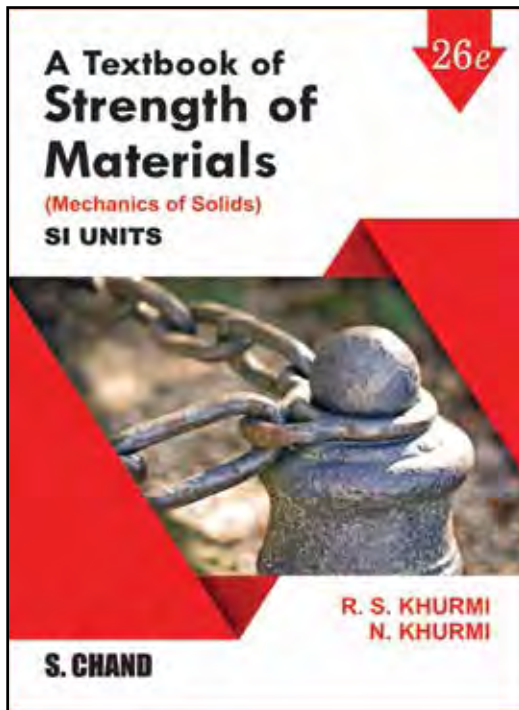
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| 3. Bending Moments and Shearing Forces | 13. Strain Energy and Deflection Due to Shear and Bending | 22. Universities' Questions (Latest-Selected) With Answers/Solutions |
| 4. Bending Stresses in Beams | 14. Columns and Struts | 23. GATE and UPSC Examinations' Questions (Latest-Selected) with Answers/Solutions |
| 5. Combined Direct and Bending Stresses | 15. Theories of Failure | |
| 6. Shearing Stresses | 16. Stresses Due to Rotation | |
| 7. Deflection of Beams | 17. Bending of Curved Bars | • Appendix: Centroid and Moment of Inertia– Important Formulae 1289–1291 |
| 8. Fixed and Continuous Beams | 18. Centroid and Moment of Inertia | • Index |
| 9. Thin Shells | 19. Unsymmetrical Bending and Shear Centre | |
| 10. Thick Shells | | |

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



A Textbook of Strength of Materials, 26e (Mechanics of Solids) SI Units

R S Khurmi & N Khurmi

Multicolour
Edition

About the Book

"Strength of Materials: Mechanics of Solids in SI Units" is an all-inclusive text for students as it takes a detailed look at all concepts of the subject. Distributed evenly in 35 chapters, important focusses are laid on stresses, strains, inertia, force, beams, joints and shells amongst others.

Each chapter contains numerous solved examples supported by exercises and chapter-end questions which aid to the understanding of the concepts explained. A book which has seen, foreseen and incorporated changes in the subject for close to 50 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

Instructor's Resource available

Salient Features

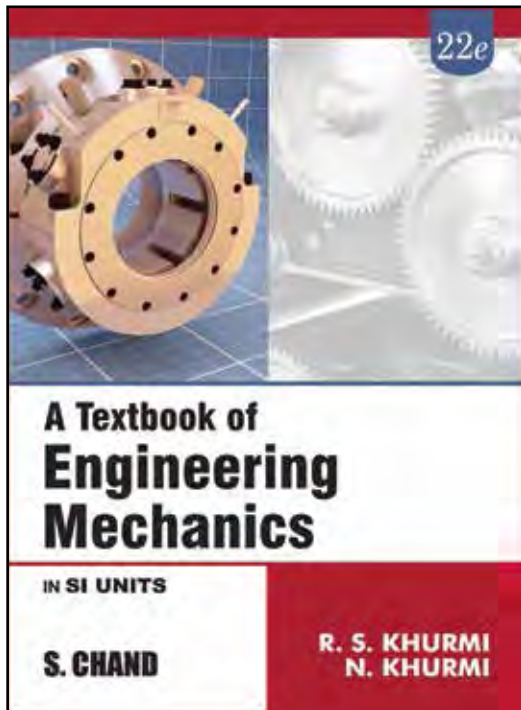
- 35 chapters provide an in-depth coverage of every important concept in the subject.
- More than 1000 examples, figures and tables aid to the concepts explained.
- More than 600 in-text exercise questions and chapter-end questions add to the practice of the students.

- FIVE NEW Chapters on "Unsymmetrical Bending and Shear Centre", "Mechanical Properties of Materials (Stress-Strain Diagram)", "Torsion of Circular Shafts", "Theories of Failure" and "Testing of Materials"
- Free On the Website: 9 Chapters on "Analysis of Perfect Frames (Graphical Method)", "Dams and Retaining Walls", "Deflection by Conjugate Beam Method", "Moment Distribution Method", "Torsion of Circular Shafts", "Riveted Joints", "Welded Joints", "Introduction to Reinforced Concrete" and "Mechanical Properties and Testing of Materials (Stress-Strain Diagram)"

ISBN: 9789352833979 | Code: 9789352833979 | Price: ₹ 750 | Pages: 832 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|--|--|
| 1. Introduction | 13. Bending Moment and Shear Force | 27. Fixed Beams |
| 2. Mechanical Properties of Materials (Stress-Strain Diagram) | 14. Bending Stresses in Simple Beams | 28. Theorem of Three Moments |
| 3. Simple Stresses and Strains | 15. Bending Stresses in Composite Beams | 29. Strain Energy & Deflection Due to Bending & Shear (and Castiglano's Theorem) |
| 4. Stresses and Strains in Bars of Varying Sections | 16. Shearing Stresses in Beams | 30. Bending of Curved Bars |
| 5. Stresses and Strains in Statically Indeterminate Structures | 17. Direct and Bending Stresses | 31. Theories of Failure |
| 6. Thermal Stresses and Strains | 18. Deflection of Beams | 32. Testing of Materials |
| 7. Elastic Constants | 19. Deflection of Cantilevers | 33. Product of Inertia |
| 8. Principal Stresses and Strains | 20. Deflection by Moment Area Method | 34. Unsymmetrical Bending and Shear Centre |
| 9. Strain Energy and Impact Loading | 21. Torsion of Circular Shafts | 35. Stresses due to Rotation |
| 10. Centre of Gravity | 22. Springs | |
| 11. Moment of Inertia | 23. Thin Cylindrical and Spherical Shells | • Appendix |
| 12. Analysis of Perfect Frames (Analytical Method) | 24. Thick Cylindrical and Spherical Shells | • Index |
| | 25. Columns and Struts | |
| | 26. Propped Cantilevers and Beams | |



A Textbook of Engineering Mechanics, 22e

R S Khurmi & N Khurmi

Multicolour
Edition

About the Book

"A Textbook of Engineering Mechanics" is a must-buy for all students of engineering as it is a lucidly written textbook on the subject with crisp conceptual explanations aided with simple to understand examples.

Important concepts such as Moments and their applications, Inertia, Motion (Laws, Harmony and Connected Bodies), Kinetics of Motion of Rotation as well as Work, Power and Energy are explained with ease for the learner to really grasp the subject in its entirety.

A book which has seen, foreseen and incorporated changes in the subject for 50 years, it continues to be one of the most sought after texts by the students.

Salient Features

Instructor's Resource available

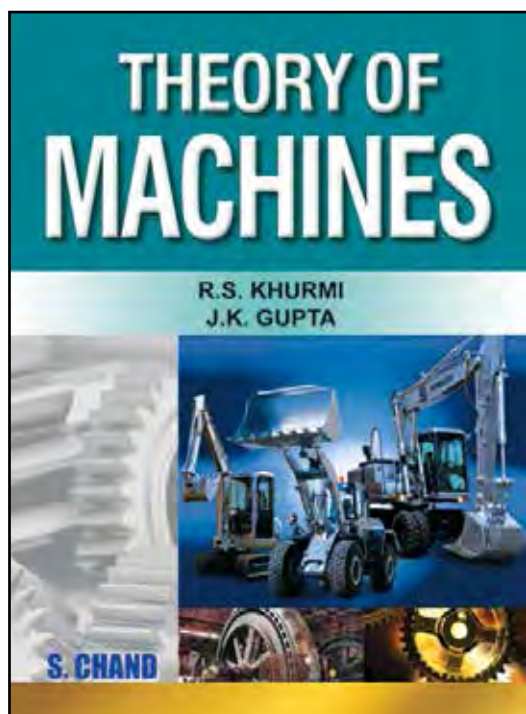
- 38 chapters evenly explain all major theories of the subject.
- SEVEN NEW Chapters on "Pappus – Guldinus Theorem", "Product of Inertia", "Product of Inertia", "Vibrations", "Mass Moment of Inertia", "Work-Energy Method" and "Forces in Space (In Vector Form)"

- More than 1000 figures and examples aid to the concepts explained.
- More than 750 in-text exercise and chapter-end questions for practice.
- Free On the Website: 6 Chapters on "Analysis of Perfect Frames (Graphical Method)", "Equilibrium of Strings", "Balancing of Rotating Masses", "Motion of Vehicles", "Hydrostatics" and "Equilibrium of Floating Bodies".

ISBN: 9789352833962 | Code: 9789352833962 | Price: ₹ 525 | Pages: 784 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|---|---|
| 1. Introduction | 15. Linear Motion | 29. Kinetics of Motion of Rotation |
| 2. Forces | 16. Motion Under Variable Acceleration | 30. Transmission of Power by Belts and Ropes |
| 3. Moments | 17. Relative Velocity | 31. Transmission of Power by Gear Trains |
| 4. Parallel Forces and Couples | 18. Projectile Motion | 32. Work-Energy Method |
| 5. Equilibrium of Forces | 19. Motion of Rotation | 33. Forces in Space (In Vector Form) |
| 6. Centre of Gravity | 20. Combined Motion of Rotation and Translation | 34. Pappus—Guldinus Theorems |
| 7. Moment of Inertia | 21. Simple Harmonic Motion | 35. Product of Inertia |
| 8. Principles of Friction | 22. Laws of Motion | 36. Rectangular and Cylindrical Coordinate System in Dynamics |
| 9. Applications of Friction | 23. Motion of Connected Bodies | 37. Vibrations |
| 10. Principles of Lifting Machines | 24. Helical Springs and Pendulums | 38. Forces in Space (In Vector Form) |
| 11. Simple Lifting Machines | 25. Collision of Elastic Bodies | |
| 12. Support Reactions | 26. Motion Along a Circular Path | |
| 13. Analysis of Perfect Frames (Analytical Method) | 27. Work, Power and Energy | • Appendix |
| 14. Virtual Work | 28. Mass Moment of Inertia | • Index |



Instructor's Resource available

Theory of Machines 14e

R S Khurmi & J K Gupta

Multicolour
Edition

About the Book

"Theory of Machines" is designed mainly for the students of mechanical engineering. It focuses on recent developments on the new mechanisms in the field of kinematics. The text seamlessly combines its 40 year experience with the latest methods to be used by students to understand definitions and problems that are solved using elementary methods. The book covers the entire syllabus with a holistic approach.

Contents such as the Kinematics of Motion, Kinetics of Motion, Simple Harmonic Motion, Simple Mechanisms, Velocity in Mechanisms, Turning Moment Diagrams and Flywheel, Steam Engine Valves and Reversing Gears, Torsional Vibrations, Computer Aided Analysis and Synthesis of Mechanisms and Automatic Control formed an important part and have been explained very well.

Salient Features

- Every important equation is highlighted for the convenience of the student.
- Close to 1400 examples, figures, tables and pictorial depictions aid to the concepts explained.
- More than 800 chapter-end (objective and "Do-You-Know") and exercise questions add to the practice of the students.

ISBN: 9788121925242 | Code: 4010C00304 | Price: ₹ 699 | Pages: 1,088 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|---|---|
| 1. Introduction | 15. Inertia Forces in Reciprocating Parts |
| 2. Kinematics of Motion | 16. Turning Moment Diagrams and Flywheel |
| 3. Kinetics of Motion | 17. Steam Engine Valves and Reversing Gears |
| 4. Simple Harmonic Motion | 18. Governors |
| 5. Simple Mechanisms | 19. Brakes and Dynamometers |
| 6. Velocity in Mechanisms (Instantaneous Centre Method) | 20. Cams |
| 7. Velocity in Mechanisms (Relative Velocity Method) | 21. Balancing of Rotating Masses |
| 8. Acceleration in Mechanisms | 22. Balancing of Reciprocating Masses |
| 9. Mechanisms with Lower Pairs | 23. Longitudinal and Transverse Vibrations |
| 10. Friction | 24. Torsional Vibrations |
| 11. Belt, Rope and Chain Drives | 25. Computer Aided Analysis and Synthesis of Mechanisms |
| 12. Toothed Gearing | 26. Automatic Control |
| 13. Gear Trains | |
| 14. Gyroscopic Couple and Precessional Motion | |
| | • Index |



Instructor's Resource available

A Textbook of Machine Design 34e

R S Khurmi & J K Gupta

Multicolour
Edition

About the Book

The person who designs the solution for different engineering problems has to go through the various stages of the design process to arrive at an optimal solution. "A Textbook of Machine Design" studies these design aspects with relevance to machines. It begins with an introduction to the machine design process and engineering materials (with their properties) and goes on to discuss major topics such as manufacturing considerations in machine design, simple stresses in machine parts and internal combustion engine parts.

A book which has seen, foreseen and incorporated changes in the subject for close to 40 years, it continues to be one of the most sought after texts by the students while also helping professionals as well as aspirants of various entrance examinations to really grasp the core concepts of the subject.

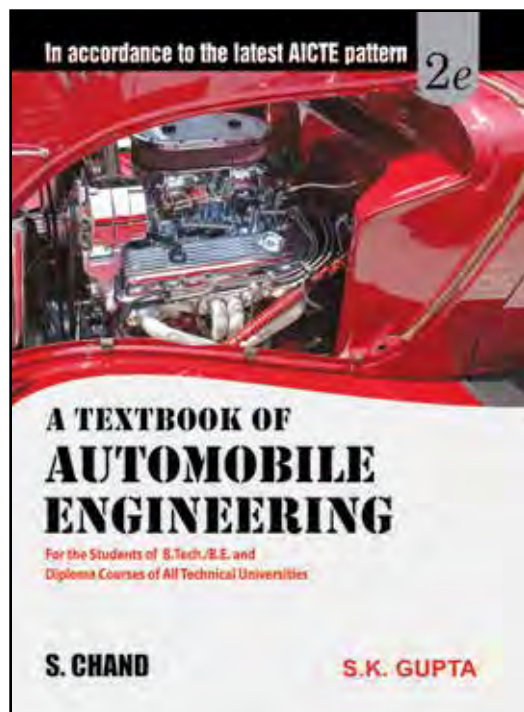
Salient Features

- Divided in 32 chapters, the text amply explains every concept of the subject.
- More than 1100 examples, figures and tables aid to the concepts explained.
- Close to 900 chapter-end questions (objective and subjective) and exercises add to the practice of the students.

ISBN: 9788121925372 | Code: 4010B00305 | Price: ₹ 699 | Pages: 1,248 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|-------------------------------|--------------------------------------|
| 1. Introduction | 10. Welded Joints | 22. Flywheel |
| 2. Engineering Materials and their Properties | 11. Screwed Joints | 23. Springs |
| 3. Manufacturing Considerations in Machine Design | 12. Cotter and Knuckle Joints | 24. Clutches |
| 4. Simple Stresses in Machine Parts | 13. Keys and Coupling | 25. Brakes |
| 5. Torsional and Bending Stresses in Machine Parts | 14. Shafts | 26. Sliding Contact Bearings |
| 6. Variable Stresses in Machine Parts | 15. Levers | 27. Rolling Contact Bearings |
| 7. Pressure Vessels | 16. Columns and Struts | 28. Spur Gears |
| 8. Pipes and Pipe Joints | 17. Power Screws | 29. Helical Gears |
| 9. Riveted Joints | 18. Flat belt Drives | 30. Bevel Gears |
| | 19. Flat Belt Pulleys | 31. Worm Gears |
| | 20. V-belt and Rope Drives | 32. Internal Combustion Engine Parts |
| | 21. Chain Drives | • Index |



Instructor's Resource available

A Textbook of Automobile Engineering 2/e

Er. SK Gupta

About the Book

A Textbook of Automobile Engineering is a comprehensive treatise which provides clear explanation of vehicle components and basic working principles of systems with simple, unique and easy-to-understand illustrations. The textbook also describes the latest and upcoming technologies and developments in automobiles. This edition has been completely updated covering the complete syllabi of most Indian Universities with the aim to be useful for both the students and faculty members. The textbook will also be a valuable source of information and reference for vocational courses, competitive exams, interviews and working professionals.

Prominent Features:

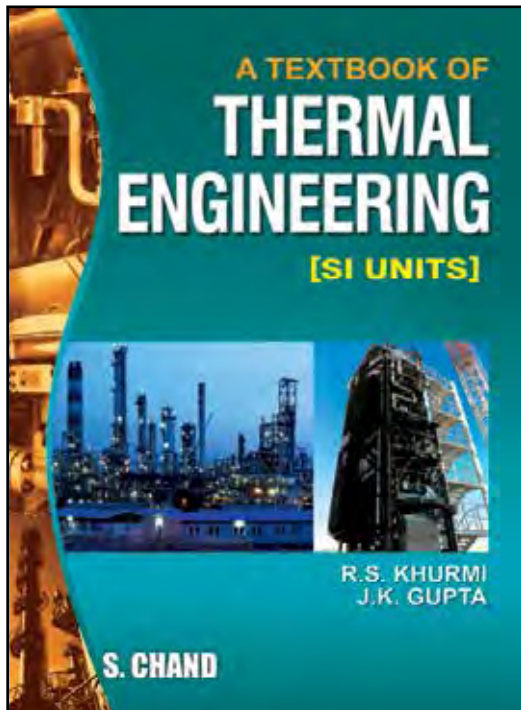
- Inclusion of four new chapters on Alternate Fuels, Hybrid, Electric and Fuel Cell vehicles, Advanced Vehicle Technologies and Regulation and Standards.
- 1000+ Examples, Figures and Tables for better understanding of concepts.
- 1000+ Exercises (unsolved numerical problems) with Answers, Theoretical Questions and Objective Type Questions with Answers from latest examination papers of various universities for rigorous practice.

ISBN: 9789352838165 | Code: 9789352838165 | Price: ₹ 575 | Pages: 944 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|---|--|---|
| 1. Introduction | 13. I.C. Engines (Fundamentals and Components) | 23. Clutches |
| 2. Performance of Automobiles | 14. Combustion and Combustion Chambers | 24. Manual Transmission |
| 3. Suspension System | 15. Working and Testing of I.C. Engines | 25. Automatic Transmission |
| 4. Tyre and Wheel | 16. Cooling System | 26. Drive Line System |
| 5. Steering System | 17. Lubrication System | 27. Common Tools and Measuring Instruments |
| 6. Braking System | 18. Fuel Supply System in Petrol Engines | 28. Maintenance System |
| 7. Electrical fundamentals | 19. Fuel Systems in Diesel Engines | 29. Alternate Fuels |
| 8. Battery | 20. Air Intake and Exhaust System | 30. Hybrid, Electric and Fuel Cell Vehicles |
| 9. Charging System | 21. Air Pollution and its Control (Emission Control) | 31. Advanced Vehicle Technologies |
| 10. Starting System | 22. Ignition System | 32. Regulation and Standards |
| 11. Lighting System and Accessories | | |
| 12. Air-conditioning, Heating and Ventilation Systems | | |

Er. SK Gupta is a post-graduate engineer and has good experience in technical education.



A Textbook of Thermal Engineering 15e

R S Khurmi & J K Gupta

**2 Colour
Edition**

About the Book

"A Textbook of Thermal Engineering" encompasses all theories of the subject thereby making it a must-read for all students of Mechanical Engineering. Topics such as General Thermodynamic Relations and Variable Specific Heat as well as Turbines (M-pulse, Reaction) and Air Compressors have been dealt in detail.

In addition to the exhaustive topical coverage, numerous solved examples and chapter-end exercises and questions have been added to make the student understand all aspects of concepts explained. A book which has seen, foreseen and incorporated changes in the subject for close to 40 years, it continues to be one of the most sought after texts by the students.

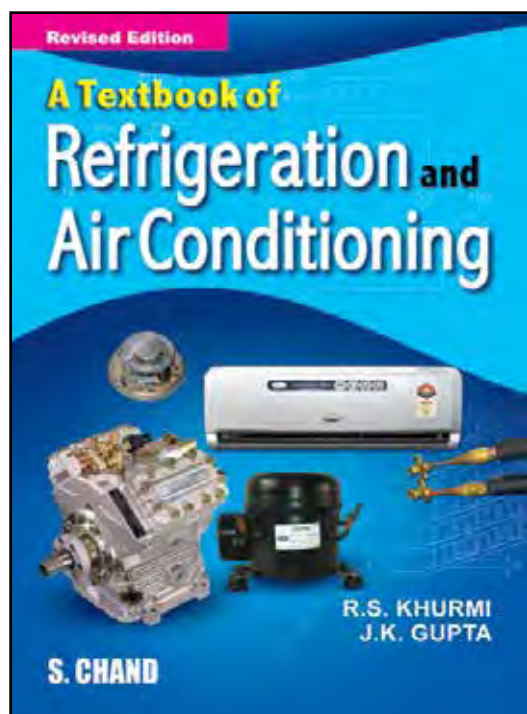
Salient Features

- Divided in 40 chapters, the text amply explains every concept of the subject.
- Close to 850 examples, figures and tables aid to the concepts explained.
- More than 1000 chapter-end questions (objective and subjective) and exercises add to the practice of the students.

ISBN: 9788121925730 | Code: 1010A00172 | Price: ₹ 799 | Pages: 912 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|---|--|---|
| 1. Introduction | 15. Performance of Steam Boilers | 29. Rotary Air Compressors |
| 2. Properties of Perfect Gases | 16. Boiler Draught | 30. Performance of Air Compressors |
| 3. Thermodynamic Processes of Perfect Gases | 17. Simple Steam Engines | 31. Air Motors |
| 4. Entropy of Perfect Gases | 18. Compound Steam Engines | 32. Gas Turbines |
| 5. Kinetic Theory of Gases | 19. Performance of Steam Engines | 33. Performance of Gas Turbines |
| 6. Thermodynamic Air Cycles | 20. Steam Condensers | 34. Introduction to Heat Transfer |
| 7. Formation and Properties of Steam | 21. Steam Nozzles | 35. Air Refrigeration Cycles |
| 8. Entropy of Steam | 22. M-pulse Turbines | 36. Vapour Compression Refrigeration System |
| 9. Thermodynamic Processes of Vapour | 23. Reaction Turbines | 37. Psychometry |
| 10. Thermodynamic Vapour Cycles | 24. Performance of Steam Turbines | 38. Air Conditioning Systems |
| 11. Fuels | 25. Modern Steam Turbines | 39. General Thermodynamic Relations |
| 12. Combustion of Fuels | 26. Internal Combustion Engines | 40. Variable Specific Heat |
| 13. Steam Boilers | 27. Testing of Internal Combustion Engines | |
| 14. Boiler Mountings and Accessories | 28. Reciprocating Air Compressors | • Index |



A Textbook of Refrigeration and Air Conditioning 5e

R S Khurmi & J K Gupta

About the Book

"A Textbook of Refrigeration and Air Conditioning" is an aptly written textbooks for the students of Mechanical Engineering while also a must-read for anyone with an interest in the subject.

For 30 years, topics such as Air Refrigeration Cycles and Systems, Vapour Compression Refrigeration Systems (Simple and Compound), Refrigerants (incl. Compressors), Psychrometry and Applications of Refrigeration and Air Conditioning have been included and updated for students to conceptualise the subject in a complete manner. The chapters consist of various exercises, examples, and multiple illustrations that aid in understanding the subject better.

Multicolour
Edition

Instructor's Resource available

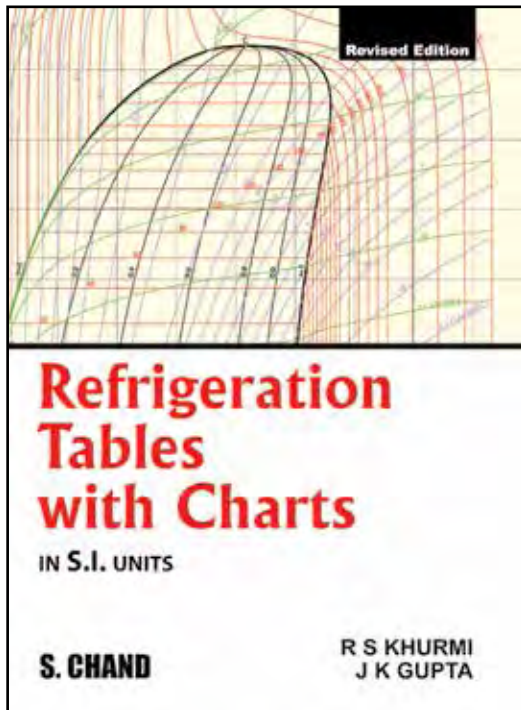
Salient Features

- Every concept has been treated individually and then linked within the chapter to provide not only information but also insight.
- Close to 800 examples, figures, tables and pictorial depictions aid to the concepts explained.
- More than 500 chapter-end (objective and subjective) and exercise questions add to the practice of the students.

ISBN: 9788121927819 | Code: 4010B00326 | Price: ₹ 699 | Pages: 768 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| 1. Introduction | 13. Food Preservation |
| 2. Air Refrigeration Cycles | 14. Low Temperature Refrigeration (Cryogenics) |
| 3. Air Refrigeration Systems | 15. Steam Jet Refrigeration System |
| 4. Simple Vapour Compression Refrigeration Systems | 16. Psychrometry |
| 5. Compound Vapour Compression Refrigeration Systems | 17. Comfort Conditions |
| 6. Multiple Evaporator and Compressor Systems | 18. Air Conditioning Systems |
| 7. Vapour Absorption Refrigeration Systems | 19. Cooling Load Estimation |
| 8. Refrigerants | 20. Ducts |
| 9. Refrigerant Compressors | 21. Fans |
| 10. Condensers | 22. Applications of Refrigeration and Air Conditioning |
| 11. Evaporators | |
| 12. Expansion Devices | • Index |



Refrigeration Tables with Chart

R S Khurmi & J K Gupta

About the Book

"Refrigeration Tables with Charts" is for undergraduate students of Mechanical and Electrical Engineering. The book comprises several tables and charts containing the properties of refrigerants, and various other concepts related to refrigeration.

Salient Features

- The book includes psychometric chart, a friction chart for circular duct, a comfort chart for still air, and a moody chart showing friction factors for fluid flow in circular pipes or ducts
- This book is essential for students preparing for competitive examinations.

ISBN: 9788121928298 | Code: 4010C00341 | Price: ₹ 150 | Pages: 48 | Size: 6.75" X 9.5" (Paperback)

Contents

Tables

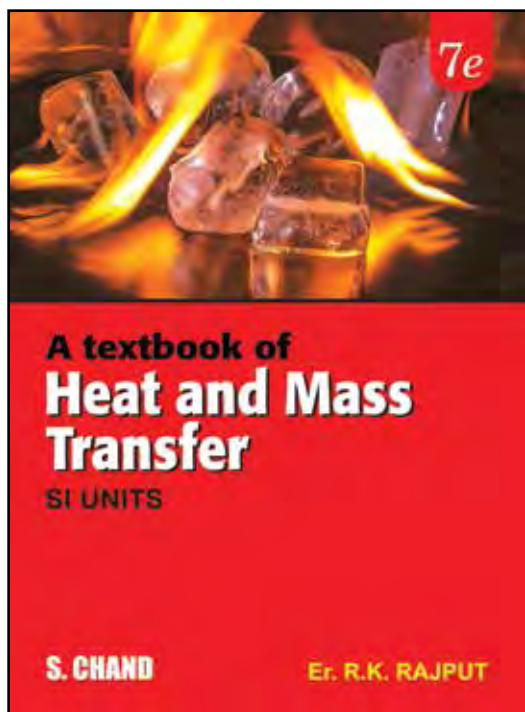
1. Dry Saturated Steam (Pressure based)
2. Dry Saturated Steam (Temperature based)
3. Saturated Trichloro-Monofluoro-Methane (CCl_3F), R-11
4. Saturated Dichloro-Difluoro-Methane (CCl_2F_2), R-12
5. Saturated Monochloro-Difluoro-Methane (CHClF_2), R-22
6. Saturated Methyl Chloride (CH_3Cl), R-40
7. Saturated Dichloro-Trifluoro-Ethane (CF_3CHCl_2), R-113
8. Saturated Tetrafluoro-Ethane ($\text{CF}_3\text{CH}_2\text{F}$), R-114
9. Saturated Dichloro-Trifluoro-Ethane (CF_3CHCl_2), R-123
10. Saturated Tetrafluoro-Ethane ($\text{CF}_3\text{CH}_2\text{F}$), R-134

11. Saturated Ammonia (NH_3), R-717
12. Saturated Carbon-Dioxide (CO_2), R-744
13. Saturated Sulphur-Dioxide (SO_2), R-764
14. Psychrometric Properties of Air
15. Important Properties of Commonly used Refrigerants
16. Recommended Inside Design Conditions for Summer Comfort Cooling
17. Outside Summer Design Conditions for Important Cities in India
18. Recommended Storage Conditions of Perishable Products

Charts

1. Mollier Diagram
2. Pressure-Enthalpy ($p-h$) Chart for Dichloro-Difluoro-Methane (CCl_2F_2), R-12

3. Pressure-Enthalpy ($p-h$) Chart for Monochloro-Difluoro-Methane (CHClF_2), R-22
4. Pressure-Enthalpy ($p-h$) Chart for Dichloro-Trifluoro-Ethane (CF_3CHCl_2), R-123
5. Pressure-Enthalpy ($p-h$) Chart for Tetrafluoro-Ethane ($\text{CF}_3\text{CH}_2\text{F}$), R-134(a)
6. Pressure - Enthalpy ($p-h$) Chart for Carbon-Dioxide (CO_2), R-744
7. Pressure-Enthalpy ($p-h$) Chart for Ammonia (NH_3), R-717
8. Psychrometric Chart
9. Comfort Chart for Still Air (Air Velocities from 5 to 8 m/min)
10. Friction Chart for Circular Ducts
11. Moody Chart Showing Friction Factors for Fluid Flow in Circular Pipes or Ducts



A Textbook of Heat and Mass Transfer, 7e

R K Rajput

Multicolour
Edition

About the Book

"Heat and Mass Transfer" is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC.

Divided into 5 parts, the book delves into the subject beginning from Basic Concepts and goes on to discuss Heat Transfer (by Convection and Radiation) and Mass Transfer. The book also becomes useful as a question bank for students as it offers university as well as entrance exam questions with solutions.

Salient Features

- Introductory chapter explains all basic theories of the subject followed by 11 succinctly written chapters which encompass all basic concepts.
- Close to 950 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 750 chapter-end questions, University Questions, GATE & UPSC Examination Questions and Laboratory Experiments for practice.
- Free On the Website: Chapter on "Radiation Exchange Between Surfaces"

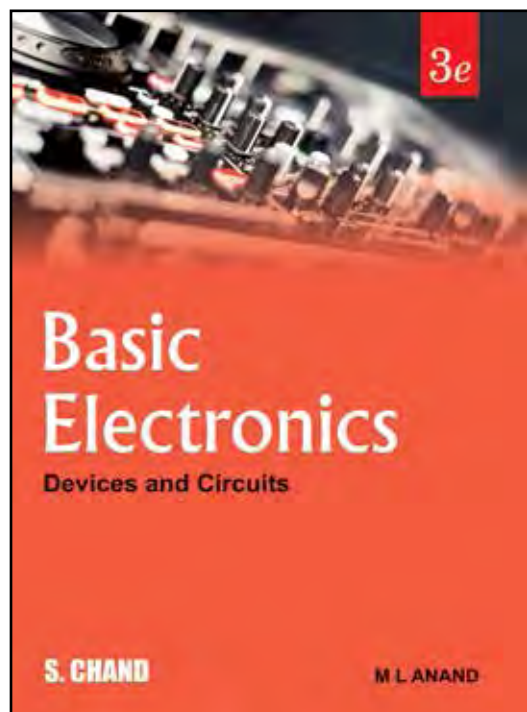
Instructor's Resource available

ISBN: 9789352533848 | Code: 9789352533848 | Price: ₹ 650 | Pages: 936 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|---|--|
| 1. Basic Concepts | Part-III: Heat Transfer by "Radiation" |
| Part-I: Heat Transfer by "Conduction" | 9. Heat Transfer by Radiation |
| 2. "Conduction" Heat Transfer at Steady State – One Dimension | Part-IV: Mass Transfer |
| 3. Conduction Heat Transfer at Steady State – Two Dimensions and Three Dimensions | 10. Mass Transfer |
| 4. Heat Conduction–Transient (Unsteady State) | Part-V: Miscellaneous |
| Part-II: Heat Transfer by "Convection" | 11. Introduction to Hydrodynamics |
| 5. Heat Transfer by "Forced Convection" | 12. Dimensional Analysis |
| A. Laminar Flow | 13. Universities' Examinations Questions (Latest-Selected) with Answers/Solutions |
| B. Turbulent Flow | 14. Gate and UPSC Examinations' Questions (Latest-Selected) with Answers/Solutions |
| 6. Heat Transfer by "Free Convection" | |
| 7. Boiling and Condensation | |
| 8. Heat Exchangers | • Index |

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Basic Electronics: Devices and Circuits 3/e

ML Anand

About the Book

For close to 20 years, Basic Electronics: Devices and Circuits has provided fundamental knowledge of the subject to all students. Each chapter focuses on the core concepts and clearly elucidate the fundamental principles, methods and circuits involved in electronics.

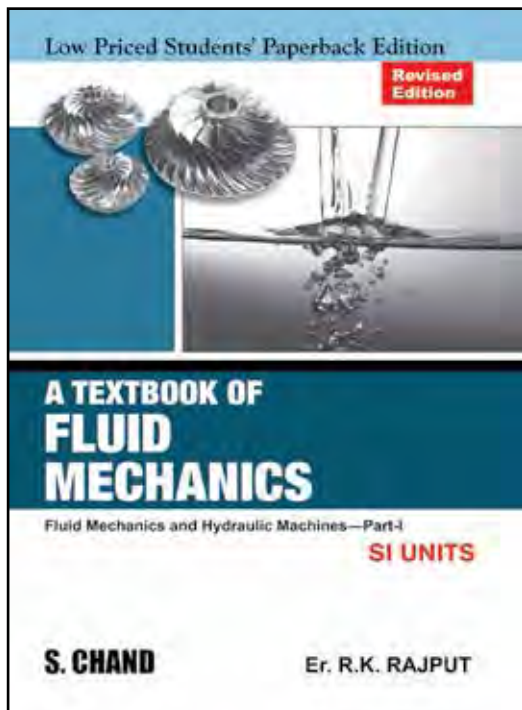
Salient Features

- New chapters on "Time Base Circuits", "Digital Electronics & Microprocessors" and "Transducers" have been added for the readers interested in knowing about latest developments in the fields.
- Rich Pedagogy:
 - 1000+ figures aid to the concepts explained.
 - Close to 2000 Review, Objective and Short Questions with Answers provide comprehensive practice of all topics.
- Book-end solved and unsolved numerical problems taken from previous examinations have been given to make student familiar with the exam pattern.

ISBN: 9789385676321 | Code: 1010B00278 | Price: ₹ 450 | Pages: 896 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|---|--|---|
| 1. Basic Concepts | 14. Large Signal Amplifiers [Audio and Video Power Amplifiers] | 28. Optoelectronic (Optical) Devices |
| 2. Electronic Materials and Components | 15. Tuned Voltage Amplifiers | 29. Time Base or Sweep Circuits |
| 3. Constant Voltage and Constant current Sources | 16. Vacuum Tube Amplifiers | 30. Phase Locked Loop (PLL) and Voltage Controlled Oscillator (VCO) |
| 4. Electron Emission | 17. Feedback Theory | 31. Introduction to Digital Electronics and Microprocessors |
| 5. Vacuum Tubes | 8. Sinusoidal Oscillators | 32. Transducers |
| 6. Gas-filled Tubes | 19. Switching & Wave shaping Circuits and Non-sinusoidal Oscillators | 33. Cellular and Mobile Communication System |
| 7. Semiconductor Physics | 20. Regulated D.C. Power Supply and Special Supplies | • Additional Solved and Unsolved Numerical Problems |
| 8. Semiconductor Diode and Rectifiers Including Vacuum Tube Rectifiers | 21. Field Effect Transistors | |
| 9. Zener and Special Purpose Diodes | 22. Thyristors and UJT | |
| 10. Bipolar or Bijunction Transistors | 23. Integrated Circuits | |
| 11. Transistor Biasing and Thermal Stabilization | 24. Operational Amplifiers (Op-Amps) | |
| 12. Single Stage (Small Signal) Transistor Amplifiers and Hybrid Parameters | 25. Timer IC | |
| 13. Multistage Transistor Amplifiers | 26. Modulation and Demodulation | |
| | 27. Electronic Instrumentation | |



A Textbook of Fluid Mechanics

R K Rajput

About the Book

"A Textbook of Fluid Mechanics" provides a comprehensive coverage of the syllabus of Fluid Mechanics for different technical universities in India. Fluid mechanics has several categories, such as include Fluid kinematics, Fluid statics and Fluid dynamics.

A total of 16 chapters followed by two special chapters of 'Universities' Questions (Latest) with Solutions' and 'GATE and UPSC Examinations' Questions with Answers/Solutions' after each unit also make it an excellent resource for aspirants of various entrance examinations.

Salient Features

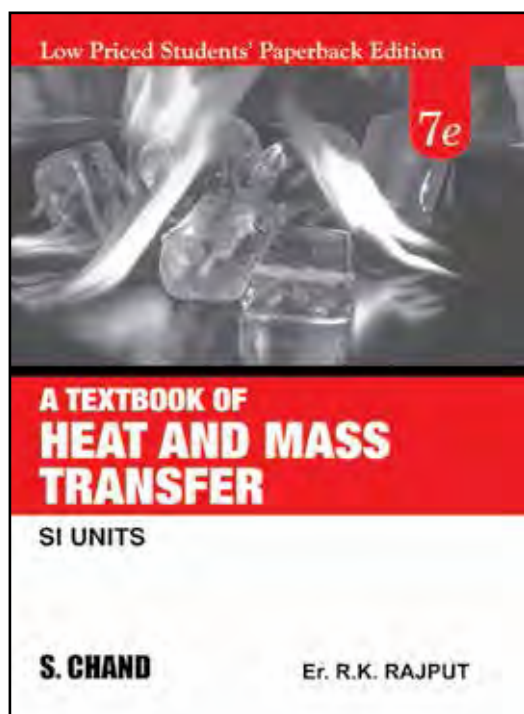
- Close to 1400 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 900 chapter-end questions for practice.
- University Questions, GATE & UPSC Examination Questions and Laboratory Experiments at the end of the book add to the practice quotient of the students.

ISBN: 9789352837205 | Code: 9789352837205 | Price: ₹ 445 | Pages: 1,144 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|---|
| 1. Properties of Fluids | 12. Flow through Pipes |
| 2. Pressure Measurement | 13. Boundary Layer Theory |
| 3. Hydrostatic Forces on Surfaces | 14. Flow Around Submerged Bodies—Drag and Lift |
| 4. Buoyancy and Floatation | 15. Compressible Flow |
| 5. Fluid Kinematics | 16. Flow in Open Channels |
| 6. Fluid Dynamics | |
| 7. Dimensional and Model Analysis | • Universities' Questions (Latest-Selected) with Solutions |
| 8. Flow through Orifices and Mouthpieces | • "GATE" and "UPSC" Examinations' Questions with Answers/ Solutions (Latest-Selected) |
| 9. Flow Over Notches and Weirs | • Laboratory Practical |
| 10. Laminar Flow | • Index |
| 11. Turbulent Flow in Pipes | |

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.

**A Textbook of Heat and Mass Transfer, 7e**

R K Rajput

About the Book

"Heat and Mass Transfer" is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC.

Divided into 5 parts, the book delves into the subject beginning from Basic Concepts and goes on to discuss Heat Transfer (by Convection and Radiation) and Mass Transfer. The book also becomes useful as a question bank for students as it offers university as well as entrance exam questions with solutions.

Salient Features

- Introductory chapter explains all basic theories of the subject followed by 11 succinctly written chapters which encompass all basic concepts.
- Close to 950 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 750 chapter-end questions, University Questions, GATE & UPSC Examination Questions and Laboratory Experiments for practice.
- Free On the Website: Chapter on "Radiation Exchange Between Surfaces"

Instructor's Resource available

ISBN: 9789352837212 | Code: 9789352837212 | Price: ₹ 375 | Pages: 936 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Basic Concepts

Part-I: Heat Transfer by "Conduction"

2. "Conduction" Heat Transfer at Steady State – One Dimension
3. Conduction Heat Transfer at Steady State – Two Dimensions and Three Dimensions
4. Heat Conduction–Transient (Unsteady State)

Part-II: Heat Transfer by "Convection"

5. Heat Transfer by "Forced Convection"
 - A. Laminar Flow
 - B. Turbulent Flow
6. Heat Transfer by "Free Convection"
7. Boiling and Condensation
8. Heat Exchangers

Part-III: Heat Transfer by "Radiation"

9. Heat Transfer by Radiation

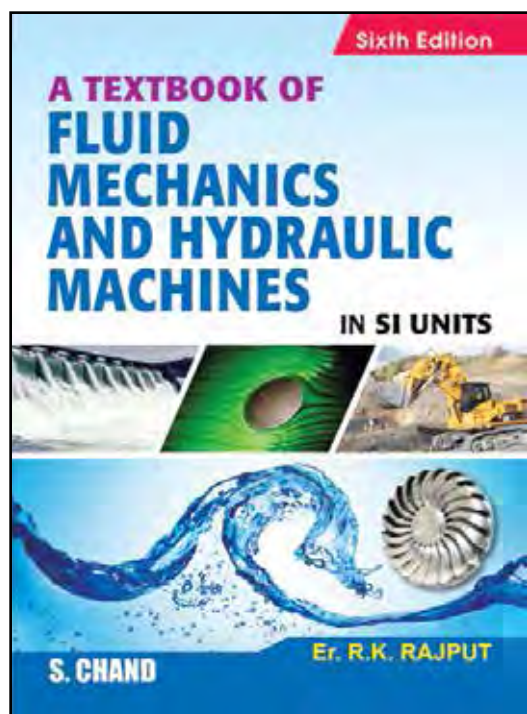
Part-IV: Mass Transfer

10. Mass Transfer

Part-V: Miscellaneous

11. Introduction to Hydrodynamics
12. Dimensional Analysis
13. Universities' Examinations Questions (Latest-Selected) with Answers/Solutions
14. Gate and UPSC Examinations' Questions (Latest-Selected) with Answers/Solutions
- Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Instructor's Resource available

A Textbook of Fluid Mechanics and Hydraulic Machines (In SI Units), 6e

R K Rajput

Multicolour
Edition

About the Book

Divided in two parts, "A Textbook of Fluid Mechanics and Hydraulic Machines" is one of the most exhaustive texts on the subject for close to 20 years. For the students of Mechanical Engineering, it can easily be used as a reference text for other courses as well. Important topics ranging from Fluid Dynamics, Laminar Flow and Turbulent Flow to Hydraulic Turbines and Centrifugal pumps are well explained in this book.

A total of 23 chapters (combined both units) followed by two special chapters of 'Universities' Questions (Latest) with Solutions' and 'GATE and UPSC Examinations' Questions with Answers/Solutions' after each unit also make it an excellent resource for aspirants of various entrance examinations.

Salient Features

- Close to 1900 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 1200 chapter-end questions for practice.
- University Questions, GATE & UPSC Examination Questions and Laboratory Experiments at the end of both parts add to the practice quotient of the students.

ISBN: 9789385401374 | Code: 1010B00185 | Price: ₹ 750 | Pages: 1,592 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Fluid Mechanics

1. Properties of Fluids
2. Pressure Measurement
3. Hydrostatic Forces on Surfaces
4. Buoyancy and Floatation
5. Fluid Kinematics
6. Fluid Dynamics
7. Dimensional and Model Analysis
8. Flow through Orifices and Mouthpieces
9. Flow Over Notches and Weirs

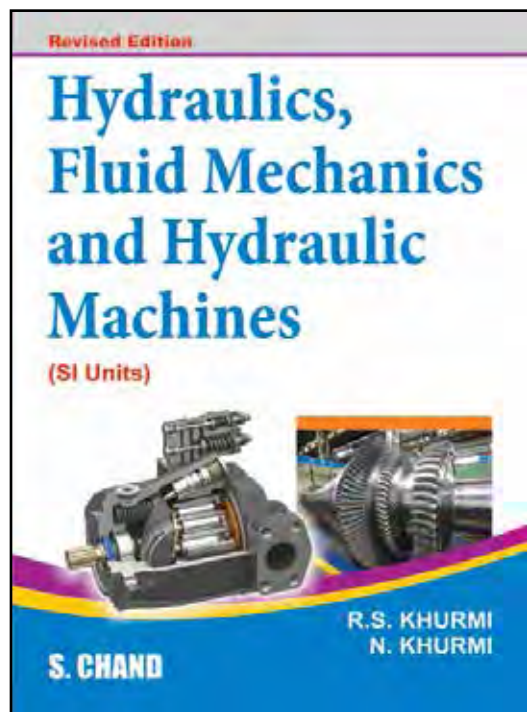
10. Laminar Flow
11. Turbulent Flow in Pipes
12. Flow through Pipes
13. Boundary Layer Theory
14. Flow around Submerged Bodies — Drag and Lift
15. Compressible Flow
16. Flow in Open Channels

Part-II: Hydraulic Machines

1. Impact of Free Jets
2. Hydraulic Turbines

3. Centrifugal Pumps
4. Reciprocating Pumps
5. Miscellaneous Hydraulic Machines
6. Water Power Development
7. Fluidics
8. Universities' Questions (Latest) with Solutions
9. "GATE" and "UPSC" Examinations' Questions with Answers/Solutions (Latest-Selected)
 - Laboratory Practical
 - Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Hydraulics, Fluid Mechanics and Hydraulic Machines (SI Units) 20e

R S Khurmi & N Khurmi



About the Book

For close to 50 years, "Hydraulics, Fluid Mechanics and Hydraulic Machines" has been providing a comprehensive coverage of fluid mechanics and hydraulics for various engineering courses. This text has been revised to incorporate SI units throughout the book. It starts with an overview, then covers Hydrostatics, study and measurement of Fluid Pressure and introduces Hydrokinematics. The book covers Floating Bodies and their Equilibrium, applications of Bernoulli's equation, Flow through Orifices, Notches, Weirs, and Simple Pipes. It also covers how fluids flow through Open Channels and examines both uniform and non-uniform flows.

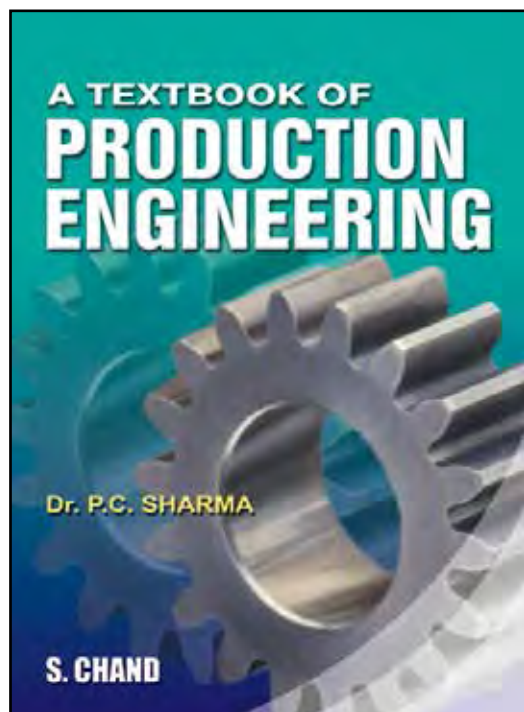
Salient Features

- Divided in 39 chapters, the text succinctly explains every concept of the subject.
- More than 900 examples, figures and tables aid to the concepts explained.
- More than 800 in-text exercise questions and chapter-end questions add to the practice of the students.

ISBN: 9788121901628 | Code: 1010B00026 | Price: ₹ 699 | Pages: 728 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|---|--|
| 1. Introduction and Properties of Fluids | 14. Flow Through Compound Pipes | 27. Model Analysis (Distorted Models) |
| 2. Fluid Pressure and its Measurement | 15. Flow Through Nozzles | 28. Non-Dimensional Constants |
| 3. Hydrostatics | 16. Uniform Flow Through Open Channels | 29. Impact of Jets |
| 4. Applications of Hydrostatics | 17. Non-Uniform Flow Through Open Channels | 30. Jet Propulsion |
| 5. Equilibrium of Floating Bodies | 18. Viscous Flow (Laminar Flow-I) | 31. Water Wheels |
| 6. Hydro-Kinematics (or Fluid Kinematics) | 19. Viscous Resistance (Laminar Flow-II) | 32. Impulse Turbines |
| 7. Hydro-Dynamics (or Fluid Dynamics) (Bernoulli's & Euler's Equations and Their Applications) | 20. Fluid Masses Subjected to Acceleration | 33. Reaction Turbines |
| 8. Flow Through Orifices (Measurement of Discharge) | 21. Vortex Flow | 34. Performance of Turbines |
| 9. Flow Through Orifices (Measurement of Time) | 22. Mechanics of Compressible Flow | 35. Centrifugal Pumps |
| 10. Flow Through Mouthpieces | 23. Compressible Flow of Fluids | 36. Reciprocating Pumps |
| 11. Flow Over Notches | 24. Flow Around Immersed Bodies (Drag & Lift) and Boundary Layer Theory | 37. Performance of Pumps |
| 12. Flow Over Weirs | 25. Dimensional Analysis | 38. Pumping Devices |
| 13. Flow Through Simple Pipes | 26. Model Analysis (Undistorted Models) | 39. Hydraulic Systems (Miscellaneous Hydraulic Machines) |
| | | • Index |



A Textbook of Production Engineering 11e

P C Sharma

About the Book

For more than 30 years, the book has been a very useful resource for the students for undergraduate students of Mechanical Engineering. Divided in 27 chapters, it is written with the objective of providing comprehensive knowledge about various aspects of the subject from process and production planning and control to manufacturing systems and automation thereby providing the student with a holistic idea.

Salient Features

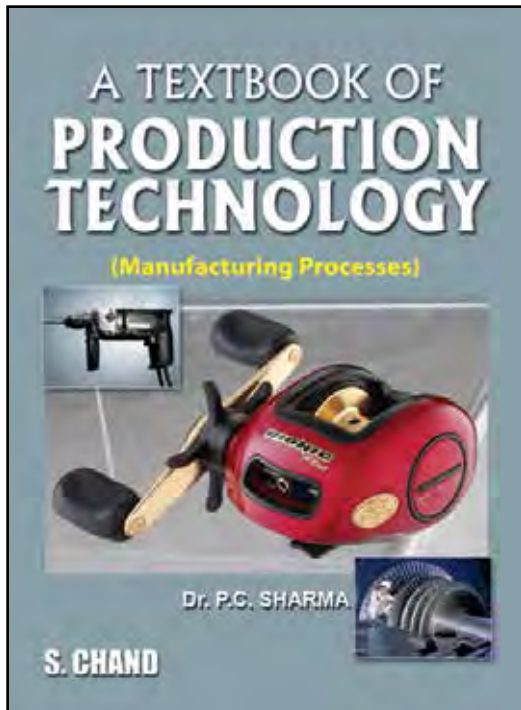
- Close to 1000 tables, figures and examples aid to the understanding of concepts.
- More than 1000 chapter-end problems provide consistent practice.
- 5 Appendixes include Process Planning Sheets, Gear Manufacturing and problems from competitive examinations and question papers (GATE, IES, UPSC).

ISBN: 9788121901116 | Code: 1010B00038 | Price: ₹ 699 | Pages: 992 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|---|--|---|
| 1. Jigs and Fixtures | 12. Measurement | 20. Design of Product for Economical Production |
| 2. Press Tool Design | 13. Analysis of Metal Forming Process | 21. Statistical Quality Control |
| 3. Forging Die Design | 14. Theory of Metal Cutting | 22. Kinematics of Machine Tools |
| 4. Cost Estimation | 15. Design and Manufacture of Cutting Tools | 23. Production Planning and Control |
| 5. Economics of Tooling | 16. Gear Manufacturing | 24. Manufacturing Systems and Automation |
| 6. Process Planning | 17. Thread Manufacturing | 25. Computer Integrated Manufacturing |
| 7. Tool Layout for Capstans and Turrets | 18. Design of Machine Tool Elements and Machine Tool Testing | 26. Plant Layout |
| 8. Tool Layout for Automatics | 19. Machine Tool Installation and Maintenance | 27. Production and Productivity |
| 9. Limits, Tolerances and Fits | | • <i>Appendices-5 (inclusive of Problems from Competitive Examinations)</i> |
| 10. Gauges and Gauge Design | | |
| 11. Surface Finish | | |

P C Sharma is LMISME, MISTE and ex. Principal SUSCET, Mohali, Punjab formerly from PEC, Chandigarh.



A Textbook of Production Technology (Manufacturing Processes) 8e

P C Sharma

About the Book

For more than 20 years, "A Textbook of Production Technology" has been a useful book for undergraduate students of Mechanical Engineering. It is written with the objective of providing comprehensive knowledge about various aspects of materials used in manufacturing process along with the Welding Process, machine tools and ceramic and composite materials.

Salient Features

- More than 500 tables, figures and examples aid to the understanding of concepts.
- Almost 1300 chapter-end problems provide consistent practice.
- 4 Appendixes include Machine Variables & Related Relations and problems from competitive examinations and question papers (GATE, IES, UPSC).

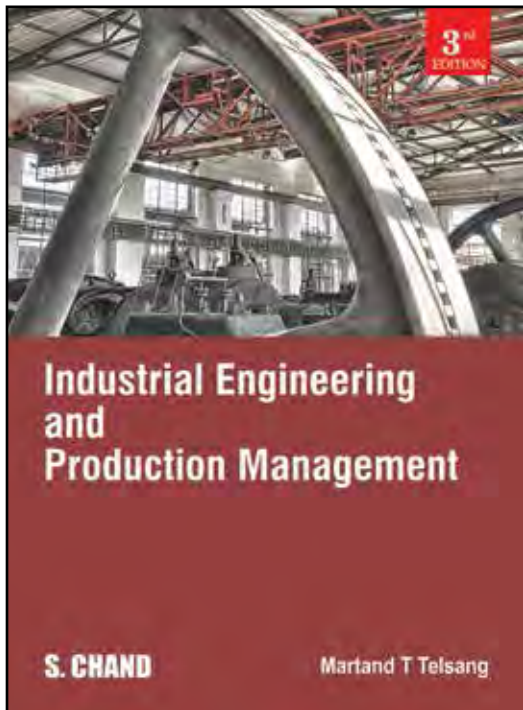
Instructor's Resource available

ISBN: 9788121911146 | Code: 1010D00160 | Price: ₹ 799 | Pages: 848 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| <ol style="list-style-type: none">1. Introduction2. Engineering Materials and Heat Treatment3. The Casting Process4. Mechanical Working of Metals5. The Welding Process6. The Machining Process7. Cutting Tool Materials and Cutting Fluids8. Machine Tools9. Unconventional Manufacturing Methods10. Powder Metallurgy11. Processing of Plastics12. Special Processing Methods | <ol style="list-style-type: none">13. Ceramic Materials and their Processing14. Composite Materials and their Processing15. Tracer Controlled Machine Tools16. Numerically Controlled Machine Tools17. Surface Finishing Processes<i>Appendix-I: A. Representation of Welds of Drawing IS: 813-1961 & B. Classification of Carbide tips according to their range of application</i><i>Appendix-II: Machining Variables and Related Relations</i><i>Appendix-III: Problems from Competitive Examinations & Question Papers (GATE, IES, IAS)</i><i>Appendix-IV: Addition Material</i><ul style="list-style-type: none">• Index |
|--|--|

P C Sharma is LMISME, MISTE and ex. Principal SUSCET, Mohali, Punjab formerly from PEC, Chandigarh.



Industrial Engineering and Production Management, 3e

Martand T Telsang

Instructor's Resource available

About the Book

For close to 20 years, "Industrial Engineering and Production Management" has been a successful text for students of Mechanical, Production and Industrial Engineering while also being equally helpful for students of other courses including Management.

Divided in 5 parts and 52 chapters, the text combines theory with examples to provide in-depth coverage of the subject.

Salient Features

- **TWENTY FOUR NEW** Chapters on major topics such as but not limited to: Job Design, Operations Strategy, Process/Capacity Design, Simulation, Supply Chain Network/Coordination/Performance Drivers, Manufacturing (Lean/Agile/Digital/ Sustainable/ Reconfigurable/ Cellular) and Remanufacturing
- **Free On the Website:** FIVE NEW Chapters on "Competitive Strategies (Games Theory)", "Lean and Agile Supply Chain", "Information Technologies and Supply Chain", "Materials Management" and "Product and System Reliability"
- More than 700 figures, tables and references aid to the concepts explained and close to 600 chapter-end questions and problems reinforce the concepts by providing adequate practice.

ISBN: 9789352533794 | Code: 9789352533794 | Price: ₹ 599 | Pages: 1,160 | Size: 6.75" X 9.5" (Paperback)

Contents

Section-I: Work System Design

1. Introduction to Industrial Engineering
2. Productivity & Production Performance
3. Work-Study
4. Method Study
5. Time Study (Work Measurement)
6. Job Design
7. Value Engineering
8. Job Evaluation and Merit Rating
9. Wages and Incentives
10. Ergonomics

Section-II: Production and Operations System Design

11. Production and Operations Management: Introduction
12. Types of Production System
13. Operations Strategy
14. Product Design
15. Process Planning
16. Capacity Planning
17. Plant Location

18. Plant Layout

19. Material Handling

Section-III: Production Planning & Control

20. Production Planning and Control
21. Demand Forecasting
22. Aggregate Planning
23. Inventory Control
24. Material Requirement Planning (MRP)
25. Production Scheduling and Control
26. Maintenance Management
27. Project Scheduling with CPM and PERT

Section-IV: Quantitative Techniques for Operations

28. Decision Theory
29. Replacement Models
30. Queuing Models
31. Linear Programming Problems (LPP)
32. Simulation Technique
33. Production Cost Concepts and Break-even Analysis

Section-V: Supply Chain Management

34. Understanding Supply Chain
35. Supply Chain Performance Drivers and Metrics
36. Supply Chain Network Design
37. Supply Chain Coordination and Bullwhip Effect
38. Strategic Alliances in Supply Chain
39. Supply Chain Integration

Section-VI: Advances and Trends in Operations Management

40. Lean Manufacturing
41. Just in Time Manufacturing
42. Agile Manufacturing
43. Digital Manufacturing
44. Sustainable Manufacturing
45. Reconfigurable Manufacturing Systems
46. Remanufacturing
47. Materials Management
- Chapter 48–52: Available on www.schandpublishing.com

Martand T Telsang is Dean Academics, Sanjay Ghodawat University Kolhapur.



Operations Research, 7e

Prem Kumar Gupta & D S Hira

About the Book

Comprehensively written in a manner that suites the students of Mechanical Engineering and Commerce & Management, “*Operations Research*” transmutes deftly into a resource or a reference text for the students of statistics and mathematics or aspirants of various entrance examinations including UPSC.

Coverage of popular topics such as Linear Programming, Probability Theory and Queuing Models are supplemented with numerous examples, tables and figures which are then followed by exercises thereby providing the assurance to fulfil every requirement of understanding of the student.

A book which has seen, foreseen and incorporated changes in the subject for more than 40 years, it continues to be one of the most sought after texts by the students.

Salient Features

- 16 chapters succinctly cover every crucial concept of the subject.
- Close to 2300 examples, figures and tables aid to the concepts explained.
- 1800+ exercise questions enhance the practice quotient of the book.

Instructor's Resource available

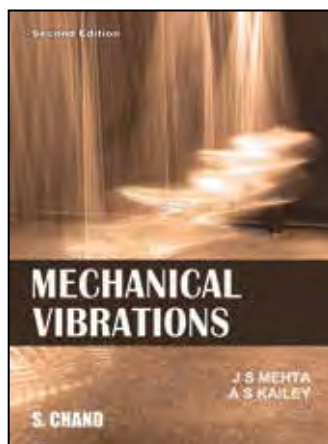
ISBN: 9788121902816 | Code: 1010E00087 | Price: ₹ 675 | Pages: 1,512 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|---|---|
| 1. Basics of Operations Research | 13. Simulation |
| 2. Liner Programming | 14. Network Analysis In Project Planning (PERT And CPM) |
| 3. The Transportation Model | 15. Statistical Quality Control. |
| 4. The Assignment Model | 16. Non Liner Programming |
| 5. Sequencing Models and Related Problems | • <i>Appendices:</i> |
| 6. Advanced Topics In Liner Programming | • <i>A: Review of Vectors and matrices</i> |
| 7. Dynamic Programming | • <i>B: Derivation of Poisson Distribution</i> |
| 8. Probability Theory | • <i>Table C-1: Random Numbers Table</i> |
| 9. Decision Theory, Game, Investment Analysis and Annuity | • <i>Table C-2: Proportion of total area under the normal curve from $-\infty$ to z</i> |
| 10. Queuing Models | • <i>Bibliography</i> |
| 11. Replacement Models | • <i>Index</i> |
| 12. Inventory Models | |

P K Gupta is Former Assistant Professor, PEC Institute of Engineering and Technology, Chandigarh.

D S Hira, Director General, Swami Vivekanand Group of Institute, Patiala.



Mechanical Vibrations, 2e

J S Mehta & A S Kailey

Instructor's Resource available

About the Book

Written specifically for the students of Mechanical Engineering, "*Mechanical Vibrations*" is a succinctly written textbook. Without being verbose, the textbook delves into all concepts related to the subject and deals with them in a laconic manner. Concepts such as Freedom Systems, Vibration Measurement and Transient Vibrations have been treated well for the student to get profounder knowledge in the subject.

Salient Features

- A new chapter on "Basics of Sound and Noise" has been added which will be helpful to understand sound intensity, pressure and power besides also providing an in-depth understanding of sound and noise strategy and control.
- Concepts such as Natural Frequency, Damping Ratio, Logarithmic Decrement, Lagrange's Equations and Laplace Transformation among others have been applied in various in-text examples to accentuate the topic at hand and also provide the learners with practice to further their understanding.
- Learning Objectives, aptly places figures and examples (close to 500) and chapter-end questions (close to 300) embellish the process of understanding of each concept of the text.

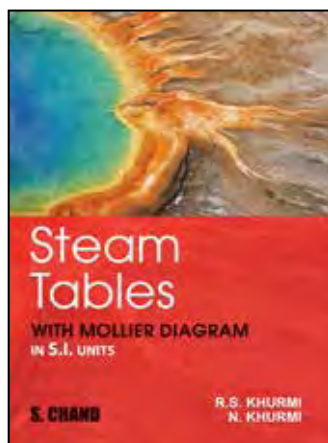
ISBN: 9789352533824 | Code: 9789352533824 | Price: ₹ 350 | Pages: 392 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Concepts and Terminology, 2. Undamped Free Vibrations of Single Degree of Freedom Systems, 3. Damped Free Vibrations of Single Degree of Freedom Systems, 4. Forced Vibrations of Single Degree of Freedom System, 5. Two Degree of Freedom Systems, 6. Multi Degree of Freedom Systems, 7. Continuous Systems, 8. Whirling of Shafts, 9. Vibration Measurement, 10. Transient Vibrations, 11. Basics of Sound and Noise, • Index

J S Mehta is Assistant Professor, Mechanical Engineering Department, UIET, PU, Chandigarh.

A S Kailey is Assistant Professor, Mechanical Engineering Department, B.B.S.B.E.C., Fatehgarh Sahib.



Steam Tables

With Mollier Diagrams in S.I. Units

R S Khurmi & N Khurmi

About the Book

The objective of "*Steam Tables: With Mollier Diagrams in S.I. Units*" is to present the various properties of water and steam in a most concise form. This has been a useful text for the students of Mechanical Engineering for more than 30 years.

Salient Features

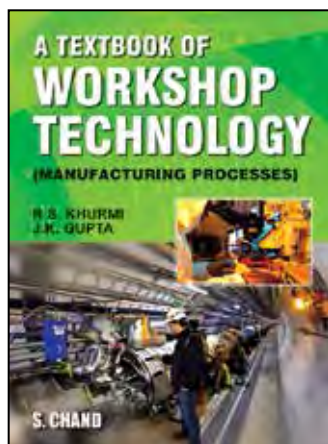
- Introduction to Steam Tables (Temperature) and Mollier Diagrams provides brief recapitulation of the topic.

ISBN: 9788121906548 | Code: 1010A00044 | Price: ₹ 110 | Pages: 32 | Size: 6.75" X 9.5" (Paperback)

Contents

Rules for S.I. Units Introduction to Steam Tables (Temperature) and Mollier Diagrams, 1. Saturated Water and Steam (Temperature) Tables, 2. Saturated Water and Steam (Pressure) Tables, 3. Specific Volume of Superheated Steam, 4. Specific Enthalpy of Superheated Steam, 5. Specific Entropy of Superheated Steam, 6. Specific Volume, Enthalpy and Entropy of Supercritical Steam

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



A Textbook of Workshop Technology (Manufacturing Processes) 16e

R S Khurmi & J K Gupta

About the Book

"A Textbook of Workshop Technology (Manufacturing Processes)" is an all-inclusive text for students as it takes a detailed look at all concepts of the subject. Distributed evenly in 26 chapters, important focusses are laid on metals, alloys, equipment and fittings amongst others.

Each chapter contains solved examples supported by exercises and chapter-end questions which aid to the understanding of the concepts explained. A book which has seen, foreseen and incorporated changes in the subject for close to 40 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

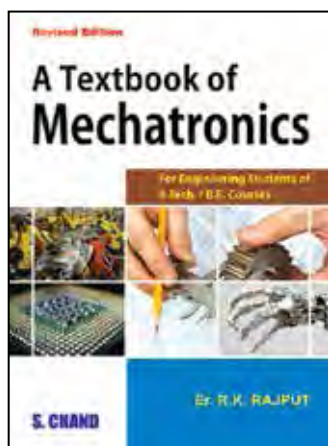
Salient Features

- 26 chapters provide an in-depth coverage of every important concept in the subject.
- More than 600 figures and tables aid to the concepts explained.
- Close to 700 chapter-end questions add to the practice of the students.

ISBN: 9788121908689 | Code: 6010B00155 | Price: ₹ 525 | Pages: 560 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Industrial Safety, 3. Fundamentals of Metals and Alloys, 4. Properties, Testing and Inspection of Metals, 5. Ferrous Metals and Alloys, 6. Non-Ferrous Metals and Alloys, 7. Heat Treatment of Metals and Alloys, 8. Mechanical Working of Metals, 9. Carpentry and Joinery, 10. Pattern Making, 11. Foundry Tools and Equipment, 12. Moulding and Core Making, 13. Special Casting Processes, 14. Smithy and Forging, 15. Welding, 16. Bench Work and Fitting, 17. Sheet Metal Work, 18. Rivets and Screws, 19. Limit System and Surface Finish, 20. Measuring Instruments and Gauges, 21. Quality Control, 22. Powder Metallurgy, 23. Plastics, 24. Metallic and Non-metallic Coatings, 25. Pipes and Pipe Fittings, 26. Machine Tools (Introduction) • Index



A Textbook of Mechatronics 4e

R K Rajput

About the Book

"A Textbook of Mechatronics" is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC.

Divided into 10 chapters, the book delves into the subject beginning from Basic Concepts and goes on to discuss elements of CNC Machines and Robotics. The book also becomes useful as a question bank for students as it offers university questions with answers.

Salient Features

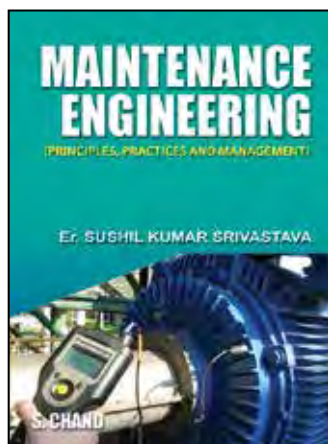
- Special Introduction to S.I. Units and Conversion Factors are followed by 10 succinctly written chapters which encompass all concepts. A special section on university questions with answers and 40 Appendixes provide additional support to the theory explained.
- More than 700 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 850 chapter-end Theoretical Questions, Objective Type Question and Unsolved Examples provide rigorous practice.

ISBN: 9788121928595 | Code: 1010D00343 | Price: ₹ 625 | Pages: 816 | Size: 6.75" X 9.5" (Paperback)

Contents

Introduction to SI Units and Conversion Factors, 1. Introduction to Mechatronics, Measurement Systems and Control Systems, 2. Sensors and Transducers, 3. Signal Conditioning, Data Acquisition, Transmission and Presentation/Display, 4. Actuators - Mechanical, Electrical, Hydraulic, Pneumatic, 5. System Models and Controllers, 6. Basic and Digital Electronics, 7. Microprocessors, 8. Design of Mechatronic Systems, 9. Elements of CNC Machines, 10. Robotics • Universities' Questions with Answers • Appendix-A: Basic Mechanical Concepts • Appendix-B: Basic Electrical Concepts • Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Maintenance Engineering (Principles, Practices and Management)

Sushil Kumar Srivastava

About the Book

For close to 20 years, *"Maintenance Engineering"* has been a resourceful textbook for the students of Mechanical Engineering, Maintenance Engineering, Maintenance Technology and Maintenance Management. Written lucidly, the book is divided in 16 parts and delves into all concepts in a rational format – beginning with the Overview and going on to explain Maintenance Technologies, TPM, HRD for Maintenance Personnel and Maintenance Engineer and Maintenance Troubleshooting among other concepts.

Salient Features

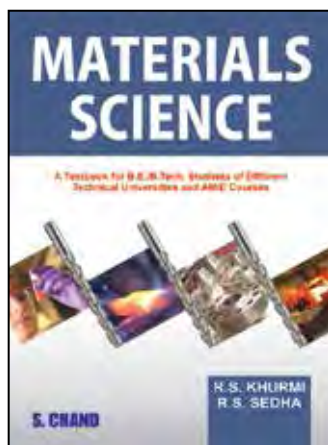
- Systematic approach to each of the chapters help capture the subject in its entirety without being too edifying in nature.
- More than 200 within-chapter and chapter-end features aid to the understanding of concepts.

ISBN: 9788121926447 | Code: 1010C00317 | Price: ₹ 425 | Pages: 320 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction and Maintenance Overview, 2. Productivity Quality Reliability and Maintainability (PQRM), 3. Maintenance and Repair Jobs and Technologies, 4. Defect /Failure List Generation and Failure Analysis, 5. Maintenance Strategies/Types/Systems, 6. Condition Monitoring (CM), 7. Maintenance Planning and Scheduling, 8. Codification, Cataloguing and System Approach, 9. Computerized Maintenance Management System (CMMS), 10. Total Productive Maintenance (TPM), 11. Other Concepts of Maintenance Systems /Strategies, 12. Maintenance Organization, 13. Maintenance Effectiveness, Performance Evaluation /Indices and Audit, 14. Maintenance Budgeting, Costing and Cost Control, 15. Training (HRD) for Maintenance Personnel, 16. Maintenance Engineer and Maintenance Troubleshooting • *Bibliography*

Sushil Kumar Srivastava is MIE, Member – FPS and Director, OTMEC, Durgapur (West Bengal).



Materials Science 5e

R S Khurmi & R S Sedha

About the Book

"Materials Science" is a go-to textbook for the students of engineering for understanding the fundamental concepts of the subject. A lucidly and well-planned text, it deals with every concept individually and provides a holistic view to every concept.

A book which has seen, foreseen and incorporated changes in the subject for more than 30 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

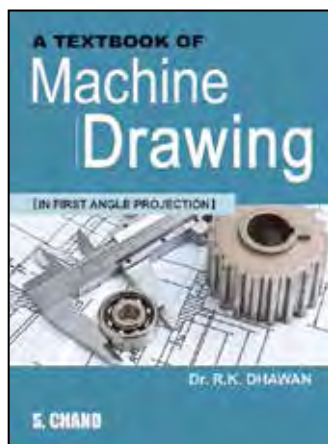
Salient Features

1. 4 parts dedicatedly explain all important concepts of the subject.
2. Close to 250 questions specifically for the students of AMIE courses.
3. More than 400 within-chapter and chapter-end features to add to the learning of concepts.

ISBN: 9788121901468 | Code: 1010C00109 | Price: ₹ 375 | Pages: 384 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Science of Metals: 1. Introduction, 2. Structure of Atoms, 3. Crystal Structure, 4. Bonds in Solids, 5. Electron Theory of Metals, Part-II: Mechanical Behaviour of Metals: 6. Mechanical Properties of Metals, 7. Mechanical Tests of Metals, 8. Deformation of Metals, 9. Fracture of Metals, Part-III: Engineering Metallurgy: 10. Iron-Carbon Alloy System, 11. Heat Treatment, 12. Corrosion of Metals, Part-IV: Engineering Materials: 13. Ferrous and Non-Ferrous Alloys, 14. Organic Materials, 15. Composite Materials and Ceramics, 16. Semiconductors, 17. Insulating Materials, 18. Magnetic Materials • *Appendix-I: Value of Physical Constants* • *Appendix-II: Physical Properties of Selected Metals* • *Index*



A Textbook of Machine Drawing (In First Angle Projection), 2e

R K Dhawan

About the Book

Written for all students of engineering, "A Textbook of Machine Drawing (In First Angle Projection)" provides knowledge in a lucid (sectional) format for easier comprehension of new (1st year) students.

Filled with figures and in-text problems, the text successfully helps the student not only comprehend but practice and retain the understanding of otherwise difficult concepts. A book which has seen, foreseen and incorporated changes in the subject for more than 20 years, it continues to be one of the most sought after texts by the students.

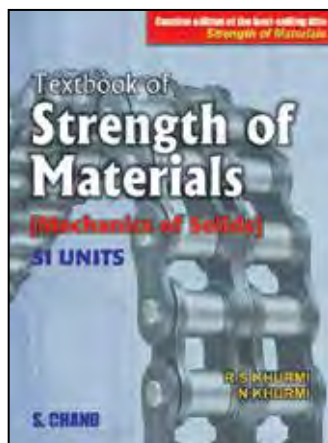
Salient Features

- The text is divided in 3 parts and 35 chapters – each for a critical concept of the subject. Apart from that, 12 book-end Model Test Papers assess the overall understanding of the subject.
- Numerous notes (highlighted) are strategically placed throughout the text to supplement the concepts explained
- More than 1850 figures, solved problems, tables, cases and chapter-end questions add rigour to a lucidly written text.

ISBN: 9788121908245 | Code: 1010F00148 | Price: ₹ 699 | Pages: 746 | Size: 6.75" X 9.5" (Paperback)

Contents

Section-I: 1. Introduction and Drawing Instruments, 2. Layout of Drawing Sheet, 3. Conventions, 4. Lettering, 5. Dimensioning, 6. Scales, Section-II: 1. Theory of Projection and Orthographic Projection, 2. Orthographic Reading or Interpretation of Views, 3. Identification of Surfaces, 4. Missing Lines and Views, 5. Sectional Views, 6. Isometric Projections, 7. Auxiliary Views, 8. Freehand Sketching, 9. Sections of Solids, Section-III: 1. Production Drawings, 2. Limits, Fits and Machining Symbols, 3. Rivets and Riveted Joints, 4. Welding, 5. Screw Threads, 6. Fastenings, 7. Keys, Cutters and Joints, 8. Shaft Couplings, 9. Bearings, 10. Brackets, 11. Pulleys, 12. Pipe Joints, 13. Steam Engine Parts, 14. I.C. Engine Parts, 15. Valves, 16. Gears, 17. Cams, 18. Jigs and Fixtures, 19. Miscellaneous Drawings, 20. Computer Aided Drafting • Model Test Papers



Textbook of Strength of Material, Concise Edition (Mechanics of Solids)

R S Khurmi & N Khurmi

About the Book

"Strength of Materials: Mechanics of Solids in SI Units" is an all-inclusive text for students as it takes a detailed look at all concepts of the subject. Distributed evenly in 32 chapters, important focusses are laid on stresses, strains, inertia, force, beams, joints and shells amongst others.

Each chapter contains solved examples supported by exercises and chapter-end questions which aid to the understanding of the concepts explained. A book which has seen, foreseen and incorporated changes in the subject for close to 50 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

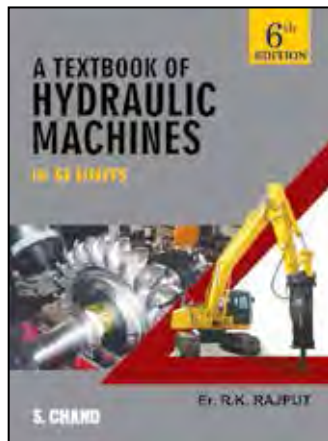
Salient Features

- 32 chapters provide an in-depth coverage of every important concept in the subject.
- Close to 1000 examples, figures and tables aid to the concepts explained.
- Close to 600 in-text exercise questions and chapter-end questions add to the practice of the students.

ISBN: 9789385401954 | Code: 1010000661 | Price: ₹ 550 | Pages: 752 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Mechanical Properties of Materials (Stress-Strain Diagram), 3. Simple Stresses and Strains, 4. Stresses and Strains in Bars of Varying Sections, 5. Stresses and Strains in Statically Indeterminate Structures, 6. Thermal Stresses and Strains, 7. Elastic Constants, 8. Principal Stresses and Strains, 9. Strain Energy and Impact Loading, 10. Centre of Gravity, 11. Moment of Inertia, 12. Analysis of Perfect Frames (Analytical Method), 13. Bending Moment and Shear Force, 14. Bending Stresses in Simple Beams, 15. Bending Stresses in Composite Beams, 16. Shearing Stresses in Beams, 17. Direct and Bending Stresses, 18. Deflection of Beams, 19. Deflection of Cantilevers, 20. Deflection by Moment Area Method, 21. Torsion of Circular Shafts, 22. Springs, 23. Thin Cylindrical and Spherical Shells, 24. Thick Cylindrical and Spherical Shells, 25. Columns and Struts, 26. Propped Cantilevers and Beams, 27. Fixed Beams, 28. Theorem of Three Moments, 29. Strain Energy & Deflection Due to Bending & Shear (and Castigliano's Theorem), 30. Bending of Curved Bars, 31. Theories of Failure, 32. Testing of Materials • Appendix • Index



A Textbook of Hydraulic Machines (SI Units), 6e

R K Rajput



About the Book

Written primarily for the students of Civil and Mechanical Engineering, "A Textbook of Hydraulic Machines" has been written in lucidly and captures the essence in an apt and non-repetitive manner. Aided by a number of solved problems, including typical examples from examination point of view, the book has been a benchmark in the subject for close to 20 years.

Salient Features

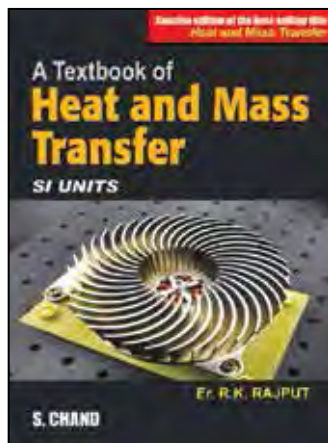
- The text tackles all major concepts of the subject in a concise but meticulous manner.
- 450+ Examples, Figures and chapter-end highlights aid to the understanding of students.
- 350+ chapter-end MCQs, Theoretical Questions and Unsolved Examples as well as book-end GATE and UPSC examination questions with answers are provided for practice.

ISBN: 9789385676314 | Code: 1010C00194 | Price: ₹ 575 | Pages: 472 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Impact of Free Jets, 2. Hydraulic Turbines, 3. Centrifugal Pumps, 4. Reciprocating Pumps, 5. Miscellaneous Hydraulic Machines, 6. Water Power Development, 7. Fluidics, 8. Universities' Questions (Latest) with "Solutions", 9. GATE and UPSC Examinations' Questions with Answers/Solutions (Latest-Selected) • Laboratory Practicals • Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



A Textbook of Heat and Mass Transfer (SI Units), Concise Edition

R K Rajput



About the Book

"A Textbook of Heat and Mass Transfer" is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC.

Divided into 4 parts, the book delves into the subject beginning from Basic Concepts and goes on to discuss Heat Transfer (by Convection and Radiation) and Mass Transfer. The book also becomes useful as a question bank for students as it offers university as well as entrance exam questions with solutions.

Salient Features

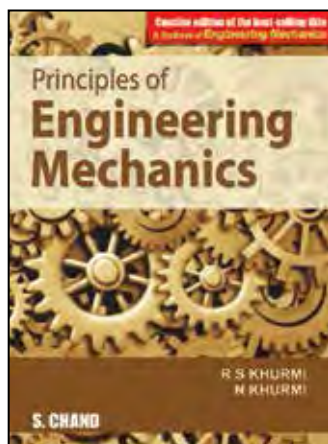
- Introductory chapter explains all basic theories of the subject followed by 10 succinctly written chapters which encompass all basic concepts.
- Close to 950 examples, figures, tables and chapter-end highlights aid to the concepts explained.
- Close to 500 chapter-end Theoretical Questions, Unsolved Examples and book-end MCQs provide rigorous practice.

ISBN: 9789385401930 | Code: 1010000659 | Price: ₹ 550 | Pages: 776 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Basic Concepts, Part-I: Heat Transfer by "Conduction": 2. "Conduction" Heat Transfer at Steady State – One Dimension, 3. Conduction Heat Transfer at Steady State – Two Dimensions and Three Dimensions, 4. Heat Conduction-Transient (Unsteady State), Part-II: Heat Transfer by "Convection": 5. Heat Transfer By "Forced Convection", 6. Heat Transfer By "Free Convection", 7. Boiling and Condensation, 8. Heat Exchangers, Part-III: Heat Transfer by "Radiation": 9. Heat Transfer By Radiation, Part-IV: Mass Transfer: 10. Mass Transfer • Multiple-Choice Questions Bank with Answers • Index

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Principles of Engineering Mechanics, Concise Edition

R S Khurmi & N Khurmi

About the Book

"A Textbook of Engineering Mechanics" is a must-buy for all students of engineering as it is a lucidly written textbook on the subject with crisp conceptual explanations aided with simple to understand examples.

Important concepts such as Moments, Inertia, Motion (Linear, Projectile, Harmonic and Connected Bodies), as well as Work, Power and Energy are explained with ease for the learner to really grasp the subject in its entirety.

A book which has seen, foreseen and incorporated changes in the subject for 50 years, it continues to be one of the most sought after texts by the students.

Salient Features

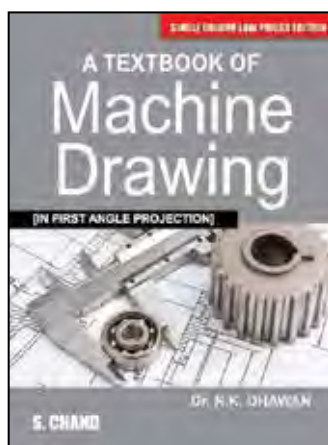
- 33 chapters evenly explain all major theories of the subject.
- Close to 1000 figures, tables and examples aid to the concepts explained.
- Close to 650 in-text exercise questions and chapter-end questions for practice.



ISBN: 9789385401947 | Code: 1010000660 | Price: ₹ 525 | Pages: 688 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Forces, 3. Moments, 4. Parallel Forces and Couples, 5. Equilibrium of Forces, 6. Centre of Gravity, 7. Moment of Inertia, 8. Principles of Friction, 9. Applications of Friction, 10. Principles of Lifting Machines, 11. Simple Lifting Machines, 12. Support Reactions, 13. Analysis of Perfect Frames (Analytical Method), 14. Virtual Work, 15. Linear Motion, 16. Motion Under Variable Acceleration, 17. Relative Velocity, 18. Projectile Motion, 19. Motion of Rotation, 20. Combined Motion of Rotation and Translation, 21. Simple Harmonic Motion, 22. Laws of Motion, 23. Motion of Connected Bodies, 24. Helical Springs and Pendulums, 25. Collision of Elastic Bodies, 26. Motion along a Circular Path, 27. Work, Power and Energy, 28. Mass Moment of Inertia, 29. Kinetics of Motion of Rotation, 30. Transmission of Power by Belts and Ropes, 31. Transmission of Power by Gear Trains, 32. Work-Energy Method, 33. Forces in Space (In Vector Form) • Appendix • Index



A Textbook of Machine Drawing (In First Angle Projection)

R K Dhawan

About the Book

Written for all students of engineering, "A Textbook of Machine Drawing (In First Angle Projection)" provides knowledge in a lucid (sectional) format for easier comprehension of new (1st year) students.

Filled with figures and in-text problems, the text successfully helps the student not only comprehend but practice and retain the understanding of otherwise difficult concepts. A book which has seen, foreseen and incorporated changes in the subject for more than 20 years, it continues to be one of the most sought after texts by the students.

Salient Features

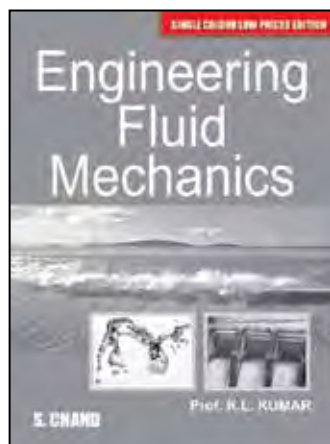
- The text is divided in 3 parts and 35 chapters – each for a critical concept of the subject. Apart from that, 12 book-end Model Test Papers assess the overall understanding of the subject.
- Numerous notes (highlighted) are strategically placed throughout the text to supplement the concepts explained
- More than 1850 figures, solved problems, tables, cases and chapter-end questions add rigour to a lucidly written text.

ISBN: 9789385676499 | Code: 1010000667 | Price: ₹ 550 | Pages: 744 | Size: 6.75" X 9.5" (Paperback)

Contents

Section-I: 1. Introduction and Drawing Instruments, 2. Layout of Drawing Sheet, 3. Conventions, 4. Lettering, 5. Dimensioning, 6. Scales, Section-II: 1. Theory of Projection and Orthographic Projection, 2. Orthographic Reading or Interpretation of Views, 3. Identification of Surfaces, 4. Missing Lines and Views, 5. Sectional Views, 6. Isometric Projections, 7. Auxiliary Views, 8. Freehand Sketching, 9. Sections of Solids, Section-III: 1. Production Drawings, 2. Limits, Fits and Machining Symbols, 3. Rivets and Riveted Joints, 4. Welding, 5. Screw Threads, 6. Fastenings, 7. Keys, Cutters and Joints, 8. Shaft Couplings, 9. Bearings, 10. Brackets, 11. Pulleys, 12. Pipe Joints, 13. Steam Engine Parts, 14. I.C. Engine Parts, 15. Valves, 16. Gears, 17. Cams, 18. Jigs and Fixtures, 19. Miscellaneous Drawings, 20. Computer Aided Drafting • 12 - Model Test Papers

R K Dahwan, M.I.E., M.I.S.T.E., is Principal Ramgarhia Institute of Engineering & Technology Satnampura, Phagwara (Punjab Technical University, Jalandhar).



Engineering Fluid Mechanics

K L Kumar

About the Book

"Engineering Fluid Mechanics" caters to many engineering disciplines and discusses important concepts such as Fluid Statics, Kinematics, Dynamics as well as Flow (Laminar, Boundary Layer and Open Channels) among other topics. Each chapter contains solved examples supported by exercises, supplementary revision examples and chapter-end questions which aid to the understanding of the concepts explained.

A book which has seen, foreseen and incorporated changes in the subject for over 40 years, it continues to be one of the most sought after texts by the students for all aspects of the subject.

Salient Features

- A unique "Zero Chapter" with a visual focus along with Learning Objectives in Engineering Fluid Mechanics eases the student into the subject.
- Seven Appendixes (including Review of Vector Operations and Properties of Liquids, Gases and Vapours) add to the understanding of students.

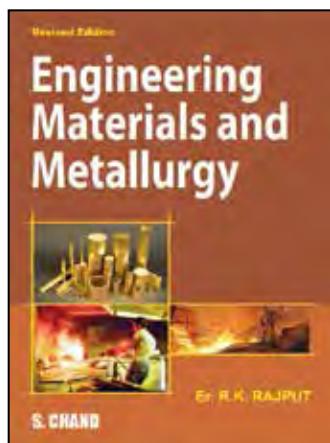
- 550+ Tables, Figures and Examples along with almost 450 questions help the text by aiding the understanding of concepts and providing rigorous practice.

ISBN: 9789385676482 | Code: 1010000666 | Price: ₹ 499 | Pages: 624 | Size: 6.75" X 9.5" (Paperback)

Contents

0. The world of Fluid Mechanics: What, Why and How?, 1. Introduction Concepts, 2. Fluid Statics, 3. Fluid Kinematics, 4. Fluid Dynamics, 5. Flow Measurement, 6. Ideal Fluid Flow, 7. Laminar Flow, 8. Boundary Layer Flow, 9. Flow around Immersed Bodies, 10. Flow through Pipes, 11. Flow through Open Channels, 12. Compressible Flow, 13. Dimensional Analysis and Similitude, 14. Fluid Machines • *Appendices: 1. Review of SI Units, 2. Review of Vector Operations, 3. Plane Geometrical Figures, 4. International Standard Atmosphere, 5. Properties of Liquids, 6. Properties of Liquids, 7. Properties of Vapours and Gases, 8. Basic Properties of Air and Water • Nomenclature • Subject Index*

K L Kumar is PhD (London), FIE (India), MASEE (USA) and Professor, Faculty of Engineering and Technology, University of Botswana, Gaborone and former Professor, IIT Delhi.



Engineering Materials and Metallurgy 2e

R K Rajput

About the Book

For more than a decade, *"Engineering Materials and Metallurgy"* has been a go-to text for understanding the principal concepts of the two subjects. Written lucidly, the coverage includes important topics such as Alloys, Phase Diagrams, Heat Treatment, Ferrous (and Non-Ferrous) Metals, Non-Metallic Materials and Mechanical Properties and Testing.

Salient Features

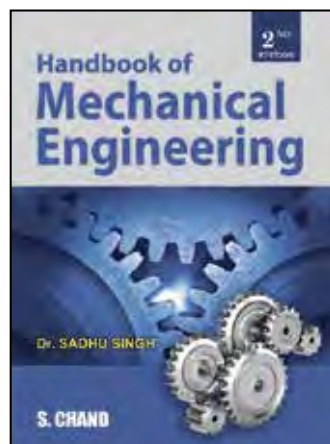
- A unique "Zero Chapter" with a focus on review of basic concepts including Structure of Atoms and Molecules, Miller Indices, Imperfections (Defects) in Crystals and Grain Size Determination.
- Close to 250+ Tables, Examples, Figures and chapter-end highlights aid to the understanding of students.
- A staggering 1100+ chapter-end Theoretical Questions and Objective Type Questions as well as book-end Short-Answer questions and OTQs with answers are provided for practice.

ISBN: 9788121927093 | Code: 1010B00318 | Price: ₹ 350 | Pages: 344 | Size: 6.75" X 9.5" (Paperback)

Contents

Review Basic Concepts (Structure of Atoms and Molecules, Miller Indices, Imperfections (Defects) in Crystals, Grain Size Determination), 1. Constitution of Alloys and Phase Diagrams, 2. Heat Treatment, 3. Ferrous and Non-Ferrous Metals, 4. Non-Metallic Materials, 5. Mechanical Properties and Testing • *Short Answer Questions • Objective Type Test Questions (with Answers) • Index*

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



Handbook of Mechanical Engineering, 2e

Sadhu Singh

About the Book

Handbook of Mechanical Engineering is a comprehensive text for the students of B.E./B.Tech. and the candidates preparing for various competitive examination like IES/IFS/ GATE State Services and competitive tests conducted by public and private sector organization for selecting apprentice engineers.

Salient Features

- Adequate Coverage: Divided into 5 major parts, it covers every aspect of Mechanical Engineering.
- Pedagogically strong (Part-VI):
 - 600 Solved Examples
 - 4200 MCQs with Explanatory Notes
 - 500 Assertion and Reason Questions
 - 550 Short Answer Questions

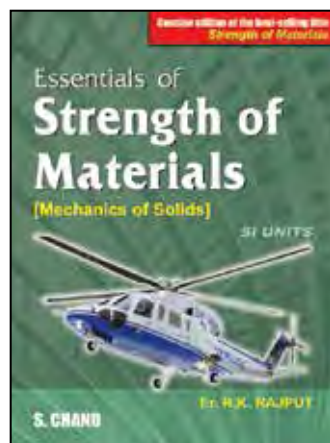
Single Colour
Edition

ISBN: 9788121935876 | Code: 1010A00459 | Price: ₹ 1,575 | Pages: 2,344 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Engineering Mathematics: 1. Engineering Mathematics, **Part-II: Design Engineering:** 2. Engineering Mechanics, 3. Strength of Materials, 4. Theory of Machines, 5. Mechanical Vibrations, 6. Design of Machine Elements, 7. Engineering Materials and Material Science, **Part-III: Production Engineering:** 8. Metal Casting Processes, 9. Fabrication Processes, 10. Metal Forming Processes, 11. Machining and Machine Tool Operations, 12. Tool Engineering, 13. Metrology and Inspection, **Part-IV: Industrial Engineering:** 14. Work Study, 15. Production Planning and Control, 16. Inventory Control, 17. Operations Research, **Part-V: Thermal Engineering:** 18. Fluid Mechanics, 19. Fluid Machinery, 20. Thermodynamics, 21. Internal Combustion Engineering, 22. Power Plant Engineering, 23. Turbomachinery, 24. Heat and Mass Transfer, 25. Refrigeration and Air-Conditioning, **Part-VI:** 26. Assertion and Reason, 27. Short Answer Type Questions, 28. Glossary of Terms in Mechanical Engineering

Sadhu Singh is Former Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar. He is also Former Director (Colleges), Punjab Technical University, Jalandhar.



Essentials of Strength of Materials, Concise Edition (Mechanics of Solid)

R K Rajput

About the Book

This book which deals with the various topics in the subject of Strength of Materials exhaustively. It presents the subject-matter in a lucid, direct and easily understandable style. A large number of worked out simple, moderate and difficult problems are arranged in a systematic manner to enable the students to grasp the subject effectively, from examination point of view.

The book comprises of 18 chapters (including advance topics) covering the syllabi in the subject of "Strength of Materials" of all the Indian Universities and Competitive Examinations as well. It contains Experiments at the end of the chapters to enable the students to have an access to the practical aspects of the subject.

Salient Features

- Typical Examples: useful for students appearing in competitive examinations in particular and other students in general
- Highlights, Objective Type Questions and a large number of Unsolved Examples

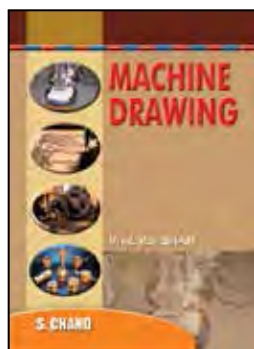
Single Colour
Edition

ISBN: 9789385401961 | Code: 1010000662 | Price: ₹ 625 | Pages: 988 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Simple Stresses and Strains, 2. Principal Stresses and Strains, 3. Bending Moments and Shearing Forces, 4. Bending Stresses in Beams, 5. Combined Direct and Bending Stresses, 6. Shearing Stresses, 7. Deflection of Beams, 8. Fixed and Continuous Beams, 9. Thin Shells, 10. Thick Shells, 11. Torsion of Circular and Non-Circular Shafts, 12. Springs, 13. Strain Energy and Deflection Due to Shear and Bending, 14. Columns and Struts, 15. Theories of Failure, 16. Stresses due to Rotation, 17. Bending of Curved Bars, 18. Unsymmetrical Bending and Shear Centre • *Appendix: Centroid and Moment of Inertia- Important Formulae • Index*

R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.

**Machine Drawing**

P J Shah

ISBN: 9788121929660

Code: 1010000358

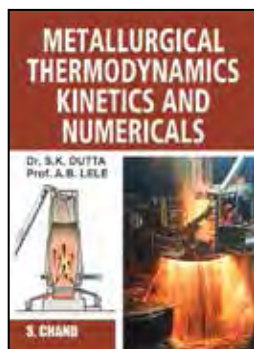
Price: ₹ 150 | Pages: 264

Size: 6.75" X 9.5" (Paperback)

Contents

15. Orthographic Projections, 16. Sectional Orthographic Projections, 17. Orthographic Reading, 18. Isometric (Projection/View/Drawing) (Axonometric Projection), 19. Details and Assembly Drawings, 20. Dimensioning, 21. Fasteners, 22. Couplings, 23. Bearings • *Solutions of Exercises*

P J Shah is Former Professor, Mechanical Engineering, L.D. College of Engineering, Ahmedabad.

**Metallurgical Thermodynamics Kinetics and Numericals 1e**

S K Dutta & A B Lele

ISBN: 9788121939645

Code: 1010000522

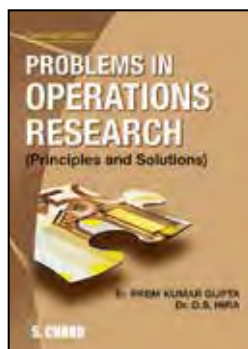
Price: ₹ 200 | Pages: 218

Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Metallurgical Thermodynamics & Kinetics: 1. Introduction, 2. Energy and First Law of Thermodynamics, 3. Heat Capacity, Enthalpy and Heat of Reaction, 4. Second Law of Thermodynamics, 5. Free Energy and Third Law of Thermodynamics, 6. Fugacity, Activity and Equilibrium Constant, 7. Inter-relations between Thermodynamics Variables, 8. Solutions and Partial Molar Quantities, 9. Phase Rule and Phase Diagrams, 10. Free Energy -Temperature Diagram, 11. Reaction Kinetics, 12. Characterization of Slag, 13. Electrometallurgy, Part-II: Numericals in Process Metallurgy: A. Ironmaking, B. Steelmaking, C. Extractive Metallurgy • *Appendix: Table-A1: Physical Properties of Some Elements, Table-A2: Most Common Units, Table-A3: Some SI Derived Units, Table-A4: Prefixes used in SI Units, Table-A5: Conversion Factors, Table-A6: Values of Selected Constants, Table-A7: Standard Heat of Formations and Entropies and Free Energies of the Substances, Table-A8: Standard Gibbs Free Energies of Reactions • Bibliography • Index*

S K Dutta & A B Lele are Faculty of Technology & Engineering, Metallurgical and Materials Engineering Department, M S University of Baroda, Vadodara (Gujarat).

**Problems in Operations Research (Principles and Solutions) 3e**

Prem Kumar Gupta & D S Hira

ISBN: 9788121909686

Code: 1010C00128

Price: ₹ 675 | Pages: 1,304

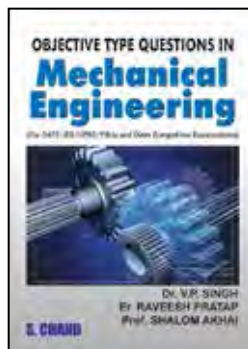
Size: 6.75" X 9.5" (Paperback)

Contents

1. Basics of Operations Research, 2. Linear Programming, 3. The Transportation Model, 4. The Assignment Model, 5. Sequencing Models and Related Problems, 6. Advanced Topics in Linear Programming, 7. Dynamic Programming, 8. Decision Theory, Games, 9. Investment Analysis and Annuity, 10. Queuing Models, 11. Replacement Models, 12. Inventory Models, 13. Simulation, 14. Network Analysis in Project Planning (PERT and CPM), 15. Statistical Quality Control, 16. Non-Linear Programming

Pream Kumar Gupta is Former Assistant Professor, PEC Institute of Engineering and Technology, Chandigarh.

D S Hira is Director General, Swami Vivekanand Group of Institute, Patiala.

**Objective Type Questions in Mechanical Engineering**

V P Singh, Raveesh Pratap & Shalom Akhai

ISBN: 9789383746019

Code: 1010000618

Price: ₹ 550 | Pages: 672

Size: 6.75" X 9.5" (Paperback)

Contents

1. Engineering Mechanics, 2. Strength of Materials, 3. Theory of Machines, 4. Vibration, 5. Machine Design, 6. Fluid Mechanics and Machinery, 7. Heat Transfer, 8. Thermodynamics, 9. Internal Combustion Engines, 10. Power Plant Engineering, 11. Refrigeration and Air Conditioning, 12. Engineering Materials, 13. Industrial Engineering, 14. Manufacturing Engineering • *Question Paper (ME-GATE) • Bibliography*

V P Singh is member, Board of Management and Chairman (PG Admissions) as well as Former Head of Mechanical Engineering Department, PEC University of Technology, Chandigarh.

Raveesh Pratash is a Former Assistant Manager, Godrej Ltd.

Shalom Akhali is a Faculty PEC University of Technology, Chandigarh.



Applied Mechanics (SI Units)

R S Khurmi & N Khurmi



ISBN: 9788121916431

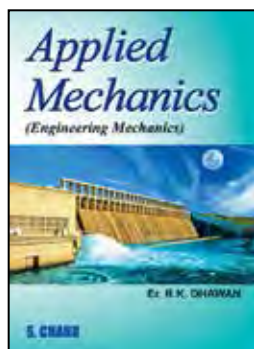
Code: 1010B00191

Price: ₹ 425 | Pages: 408

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, Part-1: Statics-Force System: 2. Forces-Composition of Forces, Resolution of a Force, Laws of Forces, 3. Moments and Their Applications (Including Varignon's Principle), 4. Parallel Forces and Couples, 5. Equilibrium of Forces, Free Body Diagrams, Lami's Theorem and Equations of Static Equilibrium, 6. Support Reactions, Part-2 Centroid and Moment of Inertia: 7. Centre of Gravity and Centroid, 8. Moment of Inertia, Part-3: Friction: 9. Principles of Friction, 10. Application of Friction (Ladder, Wedge and Screw Friction), Part-4: Machines: 11. Principles of Lifting Machines, 12. Simple Lifting Machines, Part-5: Dynamic (Kinematics and Kinetics) Kinematics of Particle: 13. Linear Motion Under Uniform Acceleration (Equations of Rectilinear Motion), 14. Projectile Motion (Curvilinear Motion-I), Part-6: Kinematics of Rigid Body: 15. Motion of Rotation, Part-7: Kinetics of Particle: 16. Motion along a Circular Path (Curvilinear Motion-II) (Centripetal & Centrifugal Force & Acceleration), 17. Laws of Motion, Force, D'Alembert's Principle, Dynamic Equilibrium, Momentum and Impulse, 18. Impact due to Collision of Elastic Bodies and Law of Conservation of Momentum, 19. Work, Power, Energy and Law of Conservation of Energy, Part-8: Trusses: 20. Analysis of Perfect Frames (Analytical Method) • Index



Applied Mechanics (Engineering Mechanics) 1e

R K Dhawan



ISBN: 9788121935920

Code: 1010000462

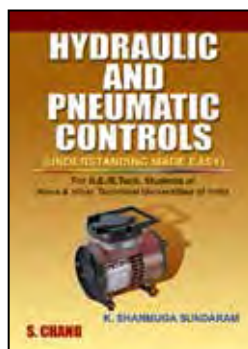
Price: ₹ 175 | Pages: 240

Size: 6.75" X 9.5" (Paperback)

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R K Dahwan, M.I.E., M.I.S.T.E, is Principal Ramgarhia Institute of Engineering & Technology Satnampura, Phagwara (Punjab Technical University, Jalandhar).



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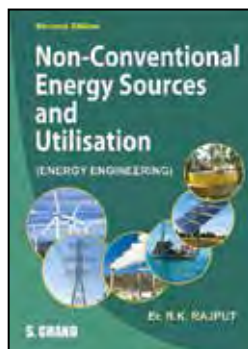
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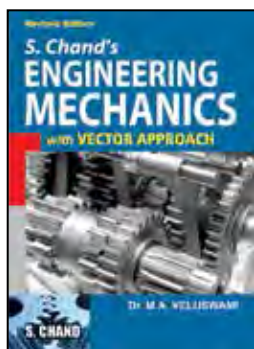
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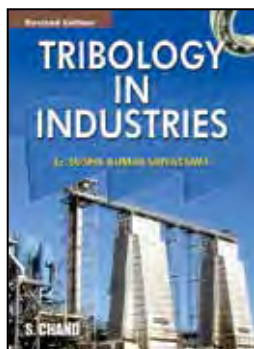
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M A Veluswami is Ph.D. (Massachusetts) MSCI, FAESI, MIE, MASME, MISTE, MAMM, Dip. CH, C. Eng. He is Dean (Research and Development) Velalar College of Engineering and Technology, Erode, Tamil Nadu.



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Sushil Kumar Srivastava is MIE and Member-FPS. He is Director, OTMEC, Durgapur (WB). He is former GM IGSL Kolkata and Assistant GM, I/C (Mech. & Fuel). Steel Authority of India, Alloy Steels Plant, Durgapur



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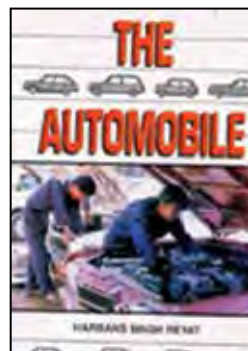
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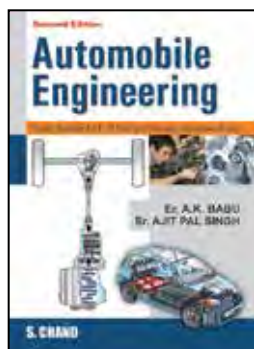
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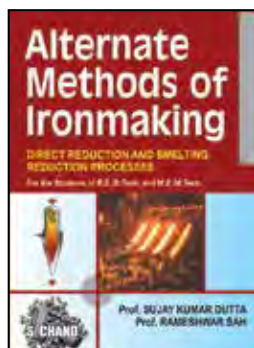
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A K babu is Assistant Professor (SG) School of Mechanical & Building Sciences, VIT University, Chennai Campus.

Arji Pal Singh is M.E. (IIT Delhi) and Assistant Professor, Department of Production Engineering, Defence University, Ethiopia.



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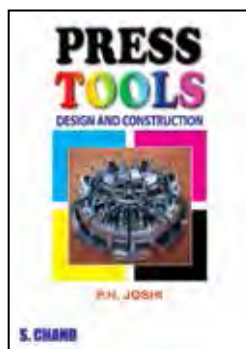
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Sujay Kumar Dutta is Faculty of Technology & Engineering, Metallurgical and Materials Engineering Department, M S University of Baroda, Vadodara (Gujarat).

Rameshwar Sah is part of R & D Department, JSW Steel Ltd., Vijaynagar Works, Toranagallu, Karnataka. He is Former Principal, Smt. S. R. Patel Engineering College, Mehsana District, Gujarat.



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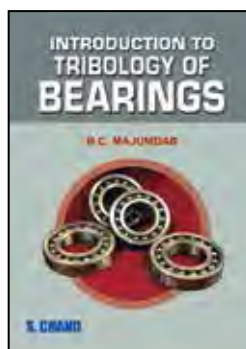
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Prakash H Joshi, DME, AMIE (India) has been with companies such as Crompton Greaves Ltd. and Bharat Forge Ltd. and faculty Fr. Agnel Technical College.



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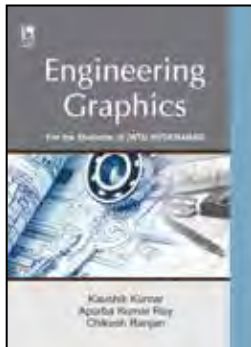
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B C Majumdar is Former Professor, Mechanical Engineering, Indian Institute of Technology, Kharagpur (IITK).

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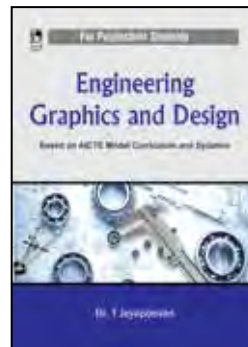
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Kaushik Kumar, BTech (Mechanical Engineering, REC (Now NIT), Warangal), MBA (Marketing, IGNOU) and PhD (Engineering, Jadavpur University), is presently Associate Professor in the Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi. He has 14 years of teaching and research and over 11 years of industrial experience in a manufacturing unit of global repute. His areas of teaching and research interest are Quality Management Systems, Optimization, Non-conventional Machining, CAD/CAM, Rapid Prototyping and Composites. He has nine patents and 16 books to his credit. His research papers are published regularly in international journals of repute, and he has presented papers in national and international conferences. He is on the editorial boards and review panels of seven international and one national journals of repute. He has been felicitated with many awards and honours.

Apurba Kumar Roy, BE (Mechanical Engineering, REC (Now NIT), Jaipur), ME (Mechanical Engineering, Jadavpur University, Kolkata) and PhD (IIT, Kharagpur), is Associate Professor at the Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi. He has over 27 years of teaching, research and industrial experience. His areas of interests are Fluid dynamics, Turbo machines, Multiphase flow, CFD, Optimization and Non-conventional energy, and Direct energy conversion. He has four book chapters to his credit, and has contributed to 27 international journals, 5 international and 15 national conferences. He is on the editorial board and review panel of an international journal of repute. He has been felicitated with many awards and honours.

Chikesh Ranjan, BE (Mechanical Engineering, MIT, Aurangabad, Maharashtra), ME (Mechanical Engineering, Design of Mechanical Equipment) from Birla Institute of Technology, Mesra, Ranchi. He is Assistant Professor at RTC Institute of Technology, Anandi, Ormanjhi, Ranchi and is pursuing PhD at Birla Institute of Technology, Mesra. He has over six years of teaching, research and industrial experience. His areas of interests are CAD/CAM, CFD, Robotic and non-conventional machining. He has four books to his credit, and contributes regularly to international journals of repute. He has presented papers in national and international conferences. He has been felicitated with many awards and honours.

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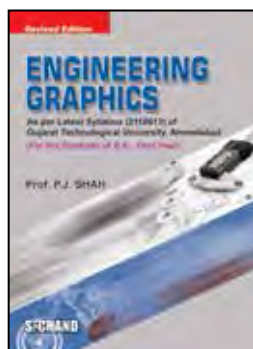
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Dr. T Jeyapoovan is Professor, Department of Mechanical Engineering, Hindustan University, Chennai. He obtained his BTech in Mechanical Engineering from College of Engineering, Thiruvananthapuram. He is an alumnus of BITS, Pilani from where he completed his MS in software systems. He also holds an ME in computer-aided design from Satyabama Institute of Science and Technology, Chennai and PhD from Anna University, Chennai. Dr Jeyapoovan has around three decades of teaching experience, specializing in engineering drawing and graphics, computer-aided design and drafting (CADD) and computer-aided manufacturing (CAM). He is the life member of ISTE. Being student-friendly, his books have been prescribed in many universities.



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Prof. P.J. Shah He has done B.E. (Mechanical) and M.E. (Mechanical) from L.D. College of Engineering, affiliated to Gujarat University in 1960. He has a vast experience of teaching for last 48 years. Prof. Shah has written 3 books for technical high schools, 2 books for diploma students and many other books for undergraduate students of Gujarat University and Mumbai University. He has to his credit 15 books.

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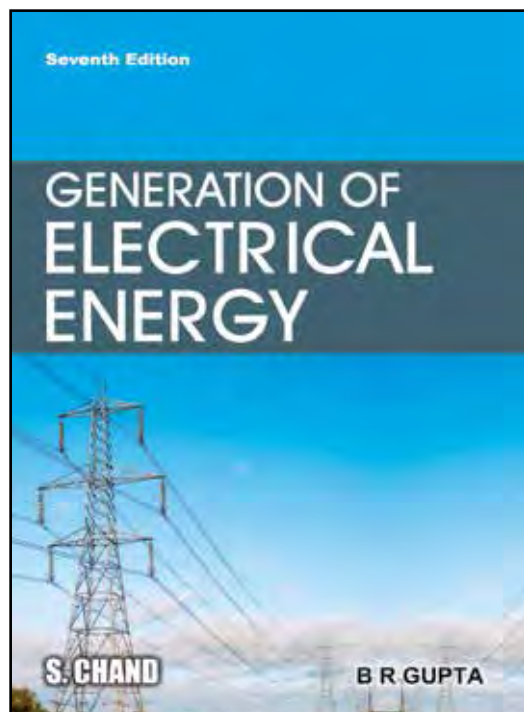
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Salient Features

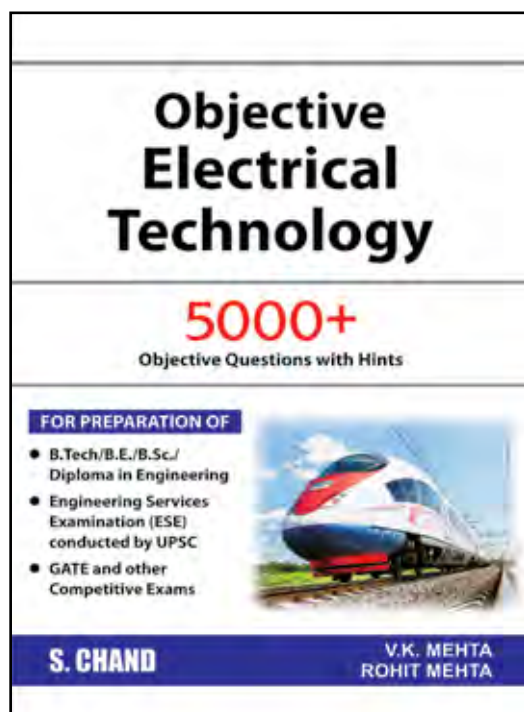
- A new chapter on "Power Trading" has been added which will be helpful to understand how to ensure the needed supply of energy and protect from supply shortages by trading of power.
- All generation data for Capacity, Electrical energy, Gas Turbine Plants, Geothermal plants and Captive Power Plants has been updated throughout the book
- Test Point Questions have been added at the end of each chapter for students to practice
- An appendix has been added which lists the latest developments in Coal Fired Steam Plants across India

ISBN: 9789352533817 | Code: 9789352533817 | Price: ₹ 575 | Pages: 616 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|--|--|
| 1. Introduction | 16. Environmental Aspects of Electric Energy Generation | • <i>Appendix-B: Year Wise Plant Capacity in India</i> |
| 2. Loads and Load Curves | 17. Generating Capacity Reliability Evaluation | • <i>Appendix-C: Year Wise Growth of Installed Capacity of Renewable Energy Sources in India</i> |
| 3. Power Plant Economics | 18. Cogeneration | • <i>Appendix-D: Comparison of Different Types of Power Plants</i> |
| 4. Tariffs and Power Factor Improvement | 19. Energy Conservation | • <i>Appendix-E: Objective Type (Multiple-Choice) Questions</i> |
| 5. Selection of Plant | 20. Energy Audit | • <i>Appendix-F: Energy Conversion Factors</i> |
| 6. Diesel and Gas Turbine Plants | 21. Demand Side Management | • <i>Appendix-G: Calorific Values of Different Fuels</i> |
| 7. Thermal Power Plants | 22. Energy and Sustainable Development | • <i>Appendix-H: Temperature and Pressure Conversion Factors</i> |
| 8. Hydro-electric Plants | 23. Captive Power Generation | |
| 9. Nuclear Power Stations | 24. Distributed Power Generation | |
| 10. Economic Operation of Steam Plants | 25. Electricity Deregulation | |
| 11. Hydro-thermal Co-ordination | 26. Power Trading [New Chapter] | |
| 12. Parallel Operation of Alternators | • <i>Appendix-A: Coal Fired Steam Power Plants in India (above 1000 MW Capacity)</i> | • <i>Index</i> |
| 13. Major Electrical Equipment in Power Plants | | |
| 14. System Interconnections | | |
| 15. New Energy Sources | | |

B R Gupta is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.



Objective Electrical Technology 1e

V K Mehta & Rohit Mehta

Multicolour
Edition

About the Book

For the past 15 years, "Objective Electrical Technology" has been a comprehensive collection of multiple choice questions specifically for aspirants of various competitive (such as GATE, UPSC, IAS and IES) as well as students who are preparing for university examinations.

The questions provided in this book have been selected from various potent resources to provide the students with an idea of how the questions are set and what type of questions to expect on the final day.

Salient Features

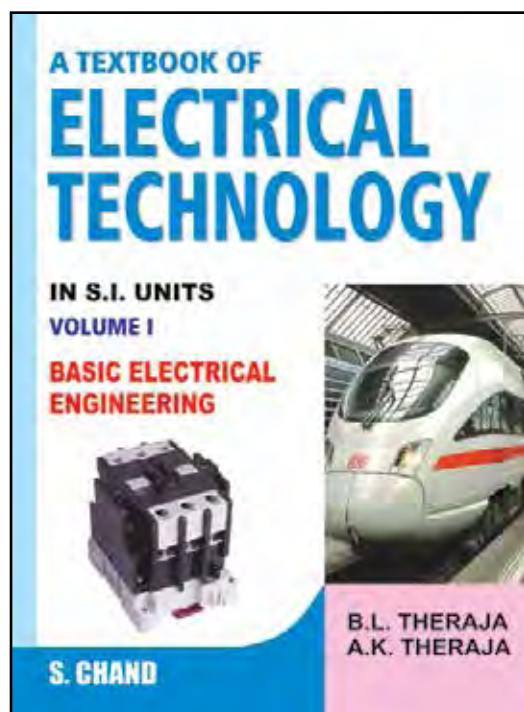
- Divided in 4 parts and 41 chapters, questions are provided for every important concept of Electrical Technology.
- More than 1000 figures for clarity of questions provided.
- Close to 5500 questions (Short Answer Questions and Objective Type Questions combined) for the practice necessary for complete retention.

Instructor's Resource available

ISBN: 9788121920971 | Code: 1010D00233 | Price: ₹ 699 | Pages: 1,248 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Basic Electrical Engineering	15. Three Phase Circuits	28. Distribution of Electric Power
1. Basic Concepts	16. Electrical Measuring Instruments	29. Faults in Power System
2. D.C. Circuits	Part-II: Electrical Machines	30. Switchgear
3. Network Theorems	17. D.C. Generators	31. Protection of Power System
4. Electrical Work, Power and Energy	18. D.C. Motors	Part-IV: Basic Electronics
5. Electrostatics	19. Transformers	32. Semiconductor Physics
6. Capacitance	20. Three Phase Induction Motors	33. Semiconductor Diodes
7. Magnetism and Electromagnetism	21. Single Phase Motors	34. Transistors
8. Magnetic Circuits	22. Alternators	35. Transistor Biasing
9. Electromagnetic Induction	23. Synchronous Motors	36. Single Stage Transistor Amplifiers
10. Chemical Effects of Electric Current	Part-III: Power System	37. Multistage Transistor Amplifiers
11. Alternating Current	24. Generation of Electrical Energy	38. Transistor Audio Power Amplifiers
12. Series A.C. Circuits	25. Economics of Power Generation	39. Amplifiers with Negative Feedback
13. Phasor Algebra	26. Supply Systems	40. Sinusoidal Oscillators
14. Parallel A.C. Circuits	27. Overhead Lines	41. Transistor Tuned Amplifiers



A Textbook of Electrical Technology In SI Units – Volume I (Basic Electrical Engineering) 23e

B L Theraja & A K Theraja

Multicolour
Edition

About the Book

"A Textbook of Electrical Technology: Volume I" elaborately covers all the basic concepts of Electrical Engineering.

The book discusses and explains various theories related to electrical engineering ranging from electric circuits to capacitors and different types of AC Circuits. The book also explains concepts of Harmonics and Fourier series. The chapters consist of various exercises, examples and multiple illustrations that aid in understanding the subject better.

A book which has seen, foreseen and incorporated changes in the subject for more than 50 years, it continues to be one of the most sought after texts by the students.

Instructor's Resource available

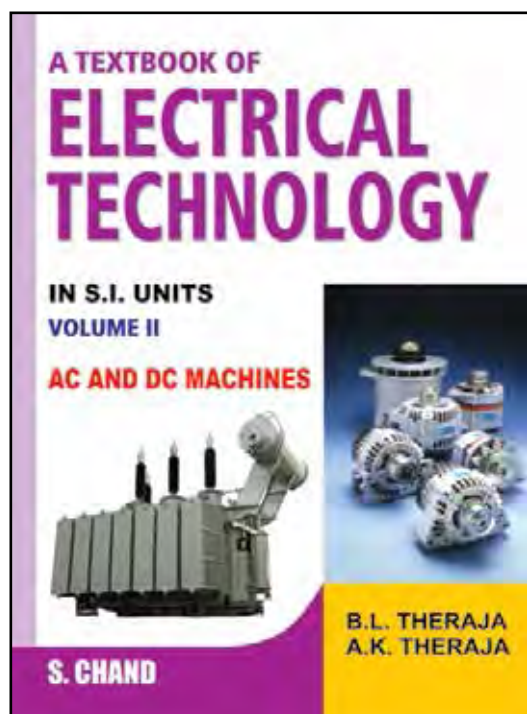
Salient Features

- Aptly divided in 24 chapters, the text covers all basic concepts of Electrical Engineering.
- Close to 2000 figures and examples provide ample aid to the concepts explained.
- More than 900 practice questions (most asked in various examinations) ascertain the level of understanding of concepts.

ISBN: 9788121924405 | Code: 1010B00292 | Price: ₹ 610 | Pages: 894 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|-----------------------------------|---|--|
| 1. Electric Current and Ohm's Law | 10. Electrical Instruments and Measurements | 18. Circle Diagrams |
| 2. D.C. Network Theorems | 11. A.C. Fundamentals | 19. Polyphase Circuits |
| 3. Work, Power and Energy | 12. Complex Numbers | 20. Harmonics |
| 4. Electrostatics | 13. Series A.C. Circuits | 21. Fourier Series |
| 5. Capacitance | 14. Parallel A.C. Circuits | 22. Transients |
| 6. Magnetism and Electromagnetism | 15. A.C. Network Analysis | 23. Symmetrical Components |
| 7. Electromagnetic Induction | 16. A.C. Bridges | 24. Introduction to Electrical Energy Generation |
| 8. Magnetic Hysteresis | 17. A.C. Filter Networks | • Index |
| 9. Electrochemical Power Sources | | |



A Textbook of Electrical Technology In SI Units – Volume II (AC and DC Machines) 23e

Multicolour
Edition

B L Theraja & A K Theraja
About the Book

"A Textbook of Electrical Technology: Volume II" elaborately covers the topics regarding AC and DC machines, which is a part of Electrical Technology. Electrical technology, as a subject, covers various divisions of electrical engineering like basic electrical engineering, electronics, control systems, instrumentation and communication systems.

The book discusses and explains various theories related to AC and DC machines. Chapters such as three phase transformers, D.C. motors and alternators coupled with various exercises, examples, and multiple illustrations aid in understanding the subject better.

A book which has seen, foreseen and incorporated changes in the subject for more than 50 years, it continues to be one of the most sought after texts by the students.

Instructor's Resource available

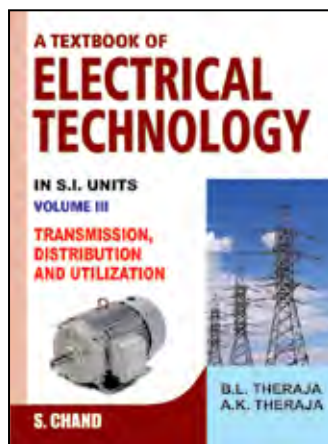
Salient Features

- Aptly divided in 15 chapters, the text covers all basic concepts of AC and DC machines.
- Close to 1300 figures and examples provide ample aid to the concepts explained.
- Close to 600 practice questions (most asked in various examinations) ascertain the level of understanding of concepts.

ISBN: 9788121924375 | Code: 1010A00293 | Price: ₹ 575 | Pages: 1567 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|-------------------------------------|
| 25. Elements of Electro-mechanical Energy Conversion | 33. Transformer: Three Phase |
| 26. D.C. Generators | 34. Induction Motor |
| 27. Armature Reaction and Commutation | 35. Computation and Circle Diagrams |
| 28. Generator Characteristics | 36. Single-Phase Motors |
| 29. D.C. Motor | 37. Alternators |
| 30. Speed Control of D.C. Motors | 38. Synchronous Motor |
| 31. Testing of D.C. Machines | 39. Special Machines |
| 32. Transformer | • Index |



A Textbook of Electrical Technology In SI Units – Volume III (Transmission, Distribution and Utilization) 23e

B L Theraja & A K Theraja



About the Book

Electrical technology, as a subject, covers various divisions of electrical engineering like basic electrical engineering, electronics, control systems, instrumentation and communication systems.

For close to 60 years, "A Textbook of Electrical Technology: Volume III {Transmission, Distribution and Utilization}" discusses and explains various theories related to Transmission, Distribution and Utilization aspects of Electrical technology. Coverage of topics such as Rating & Service Capacity and Distribution Automation as full chapters illustrate the depth provided within the text in a succinct manner.



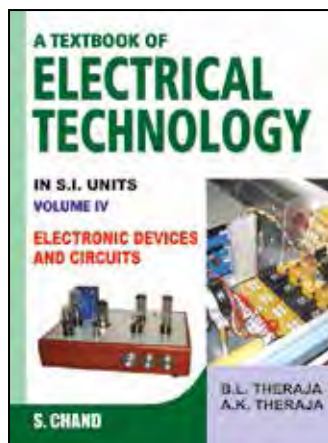
Salient Features

- 11 Chapters aptly cover the important concepts of the subject.
- More than 650 figures, examples and pictorial depictions aid to the concepts explained.
- Close to 1100 in-text problems and chapter-end questions add to the practice of the students.

ISBN: 9788121924900 | Code: 1010000294 | Price: ₹ 550 | Pages: 468 | Size: 6.75" X 9.5" (Paperback)

Contents

40. D.C. Transmission and Distribution, 41. A.C. Transmission and Distribution, 42. Distribution Automation, 43. Electric Traction, 44. Industrial Applications of Electric Motors, 45. Rating and Service Capacity, 46. Electronic Control of AC Motors, 47. Electric Heating, 48. Electric Welding, 49. Illumination, 50. Tariffs and Economic Considerations • Index



A Textbook of Electrical Technology In SI Units – Volume IV (Electronic Devices and Circuits) 24e

B L Theraja & A K Theraja



About the Book

Electrical technology, as a subject, covers various divisions of electrical engineering like basic electrical engineering, electronics, control systems, instrumentation and communication systems.

For close to 60 years, "A Textbook of Electrical Technology: Volume IV {Electronic Devices and Circuits}" discusses and explains various theories related to Electronic Devices and Circuits of Electrical technology. Coverage of topics such as Amplifiers and Power Supplies as chapters illustrate the depth provided within the text in a succinct manner.

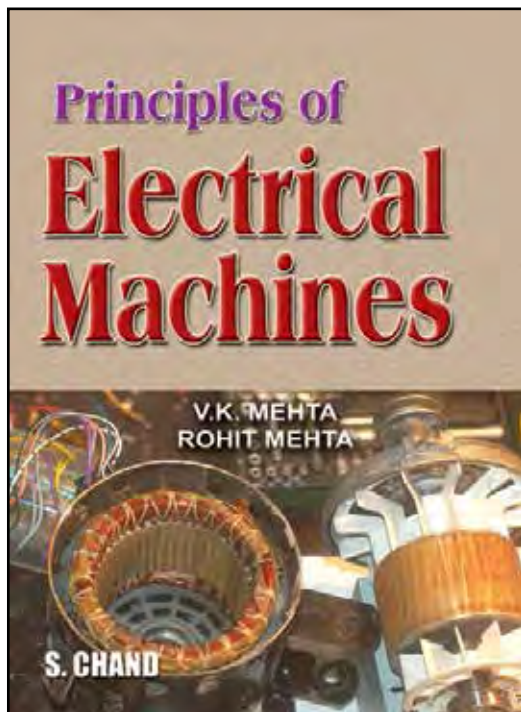
Salient Features

- 23 Chapters aptly cover all important concepts of the subject.
- More than 1600 figures, examples and pictorial depictions aid to the concepts explained.
- Close to 700 in-text problems and chapter-end questions add to the practice of the students.

ISBN: 9788121926676 | Code: 1010B00295 | Price: ₹ 599 | Pages: 740 | Size: 6.75" X 9.5" (Paperback)

Contents

51. Semiconductor Physics, 52. P-N Junction Diode, 53. Optoelectronic Devices, 54. Special Diodes, 55. D.C. Power Supplies, 56. Regulated Power Supply, 57. Bipolar Junction Transistor, 58. Load Lines and DC Biased Circuits, 59. Transistor Equivalent Circuit and Models, 60. Single-Stage Transistor Amplifiers, 61. Multistage and Feedback Amplifiers, 62. Feedback Amplifier, 63. Field Effect Transistors, 64. Breakdown Devices, 65. Sinusoidal and Non-sinusoidal Oscillators, 66. Modulation and Demodulation, 67. Integrated Circuits, 68. OP-AMP and its Applications, 69. Number Systems and Codes, 70. Logic Gates, 71. Boolean Algebra and Logic Families, 72. Flip-Flops and Related Devices, 73. Electronic Instruments • Index



Principles of Electrical Machines 2e

V K Mehta & Rohit Mehta

About the Book

For over 15 years "*Principles of Electrical Machines*" is an ideal text for students who look to gain a current and clear understanding of the subject as all theories and concepts are explained with lucidity and clarity.

Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase Motors, Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

Instructor's Resource available

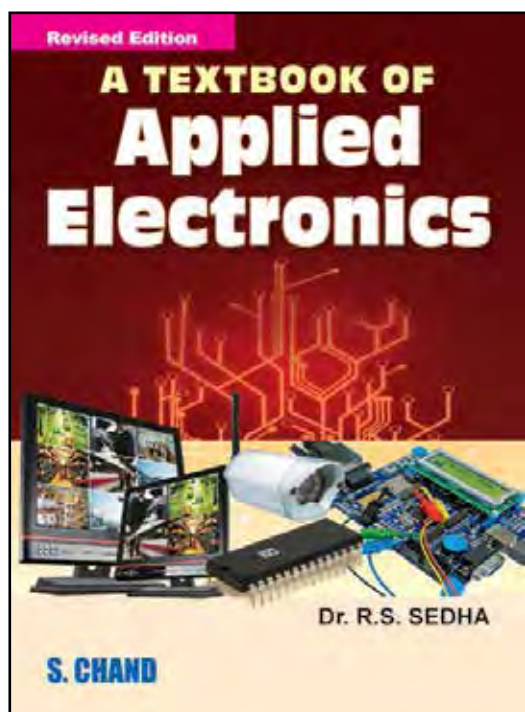
Salient Features

- Conceptual understanding is given preference with theories being explained in clear and concise points.
- 1100+ figures and examples provide comprehensive support to all concepts explained.
- Close to 750 in-text tutorial problems, chapter-end short answer questions and MCQs provide apt practice to all concepts explained.

ISBN: 9788121921916 | Code: 1010B00243 | Price: ₹ 525 | Pages: 698 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|---------------------------------------|
| 1. Electromechanical Energy Conversion | 9. Three-Phase Induction Motors |
| 2. D.C. Generators | 10. Circle Diagrams |
| 3. Armature Reaction and Commutation | 11. Single-Phase Motors |
| 4. D.C. Generator Characteristics | 12. Alternators |
| 5. D.C. Motors | 13. Synchronous Motors |
| 6. Speed Control of D.C. Motors | 14. Special-Purpose Electric Machines |
| 7. Testing Of D.C. Machines | |
| 8. Transformer | • Index |



A Textbook of Applied Electronics 3e

R S Sedha



About the Book

For close to 30 years, "A Textbook of Applied Electronics" has been a comprehensive text for undergraduate students of Electronics and Communications Engineering. The book comprises of 35 chapters, all delving on important concepts such as structure of solids, DC resistive circuits, PN junction, PN junction diode, rectifiers and filters, hybrid parameters, power amplifiers, sinusoidal oscillators, and time base circuits.

In addition, the book consists of several chapter-wise questions and detailed diagrams to understand the complex concepts of applied electronics better. This book is also becomes an essential-read for aspirants preparing for competitive examinations like GATE and NET.

Salient Features

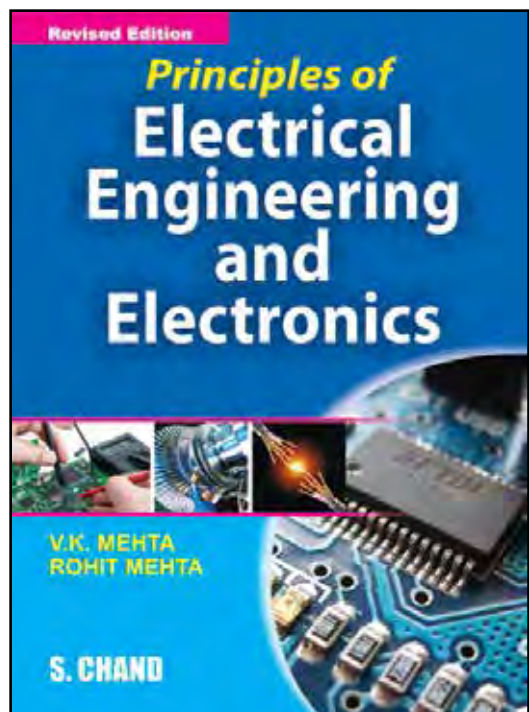
- Concepts such as Gray code, Tristate gate, Duality principle, Karnaugh-map (five-variable and six-variable), NMOS and CMOS Invertor and Binary multiplier circuit among others have been added to make the text current in nature
- Close to 1800 tables, examples and figures assist the concepts explained
- Close to 2400 questions provide ample practice thereby supporting the theory

ISBN: 9788121927833 | Code: 1010B00328 | Price: ₹ 899 | Pages: 1,200 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction	13. Special Purpose Diodes and Opto-Electronic Devices	26. Multistage BJT Amplifiers
1. Introduction	14. Bipolar Junction Transistors	27. Power Amplifiers
2. Structure of Solids	15. BJT Characteristics	28. Tuned Amplifiers
3. Electricity and Ohm's Law	16. Field-Effect Transistors	29. Feedback Amplifiers
4. DC Resistive Circuits	17. Thyristors	30. Field-Effect Transistor Amplifiers
5. Kirchhoff's Laws and Network Theorems	18. Integrated Devices and Circuits	31. Sinusoidal Oscillators
6. A.C. Fundamentals	19. Rectifiers and Filters	32. Non-sinusoidal Oscillators
7. Passive Circuit Elements	20. Regulated Power Supplies	33. Wave Shaping
8. Circuits Control & Protective Devices	21. Controlled Rectifiers	34. Time Base Circuits
9. Voltage and Current Sources	22. BJT Biasing and Stabilization	35. Operational Amplifiers (OP-Amps)
10. Semiconductors	23. Low and High Frequency BJT Models	35. Basic Op-Amp Applications
11. PN Junction	24. Single-Stage BJT Amplifiers	• Appendix
12. PN Junction Diode	25. Hybrid Parameters	• Index

R S Sedha is Ph.D. (U.K.), Life Fellow IETE (Delhi), Senior Member, IEEE, School of Engineering, Republic Polytechnic, Singapore.



Principle of Electrical Engineering and Electronics 2e

V K Mehta & Rohit Mehta

Multicolour
Edition

About the Book

"Principles of Electrical Engineering and Electronics" is a comprehensive book for undergraduate engineering course in Electrical and Electronics Engineering. For more than 20 years, the book successfully continues to cover the fundamental theory of Electrical Engineering explaining about electricity, D.C. Circuits, Magnetism and Electromagnetic Induction before moving on to applications such as D.C. Generators and Motors among other important concepts.

Salient Features

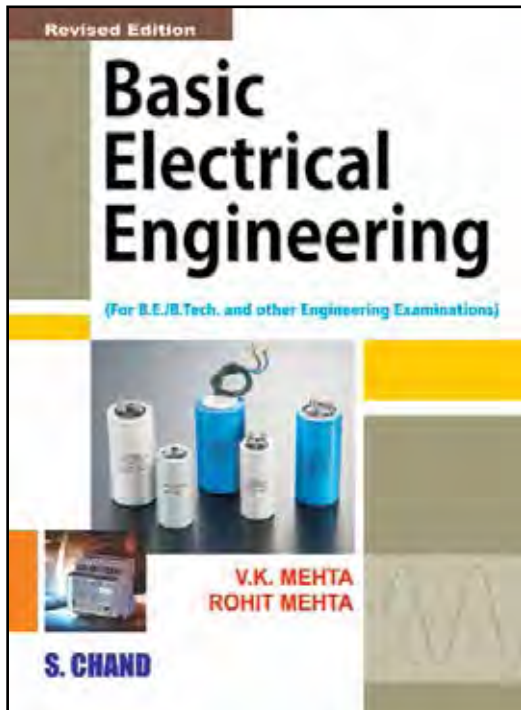
- Conceptual understanding is given preference with theories being explained in clear and concise points.
- 1800+ figures and examples provide comprehensive support to all concepts explained.
- More than 1000 in-text tutorial problems and chapter-end MCQs provide apt practice to all concepts explained.

Instructor's Resource available

ISBN: 9788121927291 | Code: 1010A00324 | Price: ₹ 725 | Pages: 960 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| 1. Fundamentals of Current Electricity | 17. Three-Phase Circuits |
| 2. D.C. Circuits | 18. Transformers |
| 3. D.C. Network Theorems | 19. Three-Phase Induction Motors |
| 4. Units—Work, Power and Energy | 20. Single-Phase Motors |
| 5. Electrostatics | 21. Synchronous Generators (Alternators) |
| 6. Capacitors | 22. Synchronous Motors |
| 7. Magnetism and Electromagnetism | 23. Electrical Instruments and Electrical Measurements |
| 8. Magnetic Circuits | 24. Atomic Structure |
| 9. Electromagnetic Induction | 25. Semiconductor Physics |
| 10. D.C. Generators | 26. Semiconductor Diode |
| 11. D.C. Motors | 27. Bipolar Junction Transistors |
| 12. Chemical Effects of Electric Current | 28. Transistor Amplifiers |
| 13. A.C. Fundamentals | 29. Sinusoidal Oscillators |
| 14. Series A.C. Circuits | 30. Field Effect Transistors |
| 15. Phasor Algebra | 31. Power Electronics |
| 16. Parallel A.C. Circuits | • Index |



Basic Electrical Engineering 14e

V K Mehta & Rohit Mehta

2 Colour
Edition

About the Book

For close to 30 years, “*Basic Electrical Engineering*” has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject.

Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Salient Features

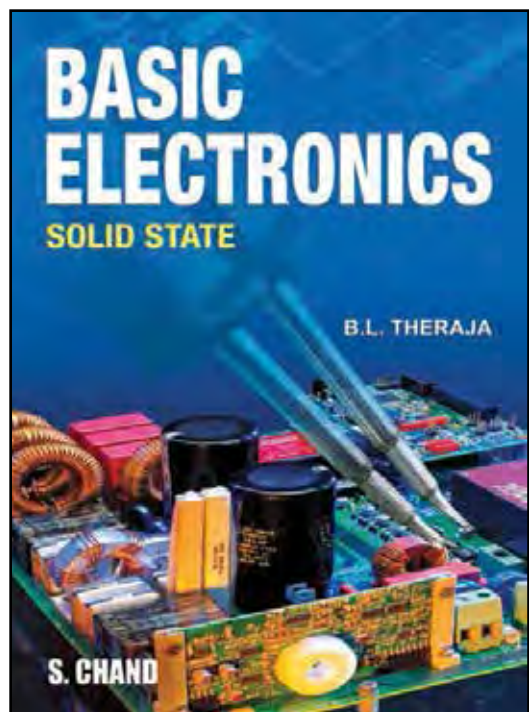
1. Aptly divided in 17 chapters, the text covers all basic concepts of the subject.
2. More than 2200 figures and examples provide ample aid to the concepts explained.
3. Close to 1000 practice questions (most asked in various examinations) ascertain the level of understanding of concepts.

ISBN: 9788121908719 | Code: 1010B00113 | Price: ₹ 699 | Pages: 1,000 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| 1. Basic Concepts | 11. A.C. Fundamentals |
| 2. D.C. Circuits | 12. Series A.C. Circuits |
| 3. D.C. Network Theorems | 13. Phasor Algebra |
| 4. Units – Work, Power and Energy | 14. Parallel A.C. Circuits |
| 5. Electrostatics | 15. Polyphase Circuits |
| 6. Capacitance and Capacitors | 16. Electrical Instruments and Electrical Measurements |
| 7. Magnetism and Electromagnetism | 17. A.C. Network Analysis |
| 8. Electromagnetic Induction | |
| 9. Magnetic Circuits | |
| 10. Chemical Effects of Electric Current | • Index |





Basic Electronics: Solid State 5e

B L Theraja

Multicolour
Edition

About the Book

For more than 30 years "Basic Electronics: Solid State" has been a useful book for undergraduate students of electronics and electrical engineering as well as B.Sc. Electronics. The book discusses concepts such as Circuit Fundamentals, Kirchoff's Laws, Network Theorems, Passive Circuit Elements, Energy Source, and other related topics.

Designed in accordance with the syllabi of most major universities, the book is an essential resource for anyone aspiring to learn how to use electronic components and teaches readers much about the logic behind solid state circuit design.

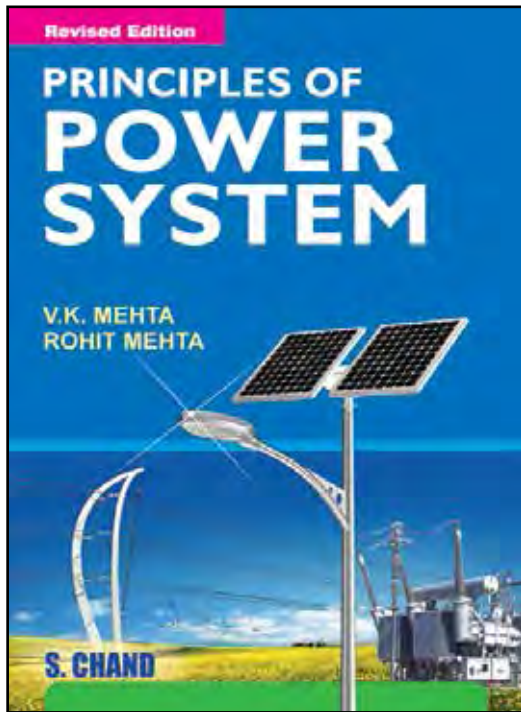
Salient Features

- 38 chapters ensure that the topical coverage remains in-depth.
- Presence of close to 1400 Figures and Examples make it easy for students to understand the concepts better.
- Close to 1600 questions and problems help the practice quotient of the subject.

ISBN: 9788121925556 | Code: 1010B00307 | Price: ₹ 575 | Pages: 736 | Size: 6.75" X 9.5" (Paperback)

Contents

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|-----------------------------------|---|---------------------------------|
| 1. Circuit Fundamentals | 15. Special Diodes | 27. Breakdown Devices |
| 2. Resistive Circuits | 16. Optoelectronic Devices | 28. Sinusoidal Oscillators |
| 3. Kirchhoff's Laws | 17. DC Power Supplies | 29. Non-sinusoidal Oscillators |
| 4. Network Theorems | 18. The Basic Transistor | 30. Modulation and Demodulation |
| 5. Passive Circuit Elements | 19. Transistor Characteristics and Approximations | 31. Integrated Circuits |
| 6. Energy Sources | 20. Load Lines and DC Bias Circuits | 32. Number Systems |
| 7. Magnetism and Electromagnetism | 21. Transistor Equivalent Circuits and Models | 33. Logic Gates |
| 8. A.C. Fundamentals | 22. Single-Stage Transistor Amplifiers | 34. Boolean Algebra |
| 9. Series A.C. Circuits | 23. Multistage Amplifiers | 35. Logic Families |
| 10. Time Constant | 24. Decibels and Frequency Response | 36. Transducers |
| 11. Tuning Circuits and Filters | 25. Feedback Amplifiers | 37. Electronic Instruments |
| 12. Solid State Physics | 26. Field Effect Transistors | 38. Fibre Optics |
| 13. The P-N Junction | | |
| 14. P-N Junction Diode | | |
- Index



Instructor's Resource available

Principles of Power System 24e

V K Mehta & Rohit Mehta

Multicolour
Edition

About the Book

"Principles of Power System" is a comprehensive textbook for students of engineering. It also caters to the requirements of those readers who wish to increase their knowledge and gain a sound grounding in power systems as a whole.

Twenty six chapters succinctly sum up the subject with topics such as Supply and Distribution Systems, Fault Calculations (Symmetrical and Unsymmetrical), Voltage Control, Fuses and Circuit Breakers giving the learner an understanding of the subject and an orientation to apply the knowledge gained in real world problem solving.

A book which has seen, foreseen and incorporated changes in the subject for more than 30 years, it continues to be one of the most sought after texts by the students.

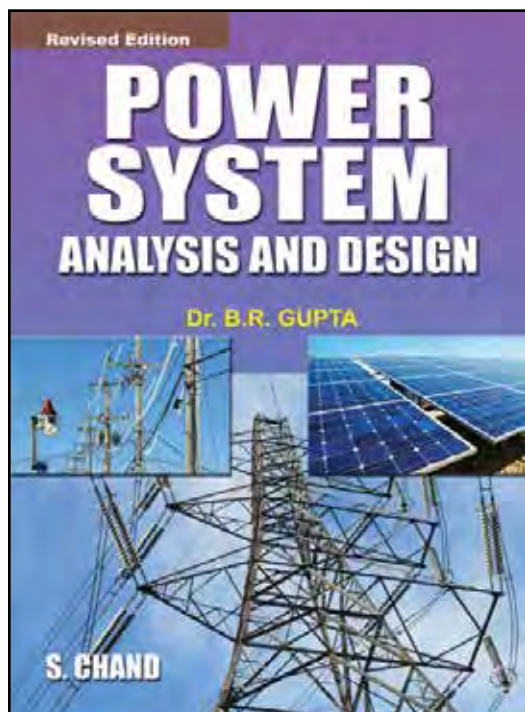
Salient Features

- Conceptual understanding is given preference with theories being explained in clear and concise points.
- Close to 800 figures and examples provide comprehensive support to all concepts explained.
- More than 600 in-text tutorial problems and chapter-end questions and MCQs provide apt practice to all concepts explained.

ISBN: 9788121924962 | Code: 1010B00302 | Price: ₹ 650 | Pages: 624 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|--|--|
| 1. Introduction | 15. Voltage Control |
| 2. Generating Stations | 16. Introduction to Switchgear |
| 3. Variable Load on Power Stations | 17. Symmetrical Fault Calculations |
| 4. Economics of Power Generation | 18. Unsymmetrical Fault Calculations |
| 5. Tariff | 19. Circuit Breakers |
| 6. Power Factor Improvement | 20. Fuses |
| 7. Supply Systems | 21. Protective Relays |
| 8. Mechanical Design of Overhead Lines | 22. Protection of Alternators and Transformers |
| 9. Electrical Design of Overhead Lines | 23. Protection of Bus-bars and Lines |
| 10. Performance of Transmission Lines | 24. Protection Against Over Voltages |
| 11. Underground Cable | 25. Sub-Stations |
| 12. Distribution Systems – General | 26. Neutral Grounding |
| 13. D.C. Distribution | |
| 14. A.C. Distribution | • Index |



Power System: Analysis and Design 6e

B R Gupta

About the Book

For close to 20 years, “Power System: Analysis and Design” has been serving as a complete text for students of Electronics and Communication Engineering as well as those pursuing courses in transmission, distribution, stability, load flow, surge-phenomena, fault studies, travelling waves and design of transmission systems.

Divided in 25 chapters and aided with ample pedagogical features, the text not only explains the concepts lucidly but also helps the student retain them.

Salient Features

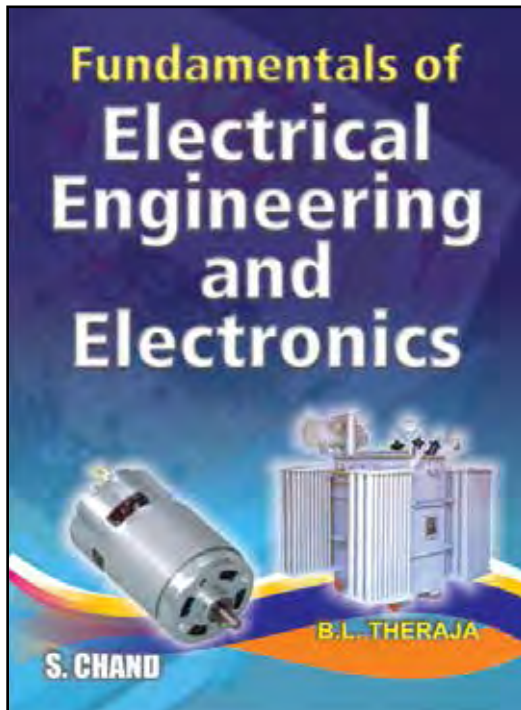
- Chapters on Generator, Transformer and Load Models, Economic Operation of Power System and Unit Commitment, Symmetrical Components, Unsymmetrical Faults and Load Frequency and MVAR Voltage Control further add context to an ever-evolving subject.
- More than 1100 Tables, Figures, Examples and short summaries aid to the theory explained.
- Close to 1150 questions (including Job Interview Questions) supplement the practice quotient of the text.

ISBN: 9788121922388 | Code: 1010C00258 | Price: ₹ 699 | Pages: 888 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|--|--|
| 1. Power System Network | 12. Power System Transients | 24. Reliability of Transmission and Distribution Systems |
| 2. Line Parameters | 13. Power System Stability | 25. Load Frequency and MVAR Voltage Control |
| 3. Generator, Transformer and Load Models | 14. Extra High Voltage Transmission | • <i>Appendix-A: Aluminium Conductors Steel Reinforced (ACSR) IS: 378-1976</i> |
| 4. Performance of Transmission Lines | 15. HDVC Transmission | • <i>Appendix-B: An Introduction to Matrices</i> |
| 5. Overhead Line Insulators | 16. Distribution | • <i>Appendix-C: Objective Questions</i> |
| 6. Mechanical Design of Overhead Lines | 17. Symmetrical Faults | • <i>Bibliography</i> |
| 7. Corona | 18. Symmetrical Components | • <i>Index</i> |
| 8. Interference between Power and Communication Lines | 19. Unsymmetrical Faults | |
| 9. Underground Cables | 20. Digital Techniques in Fault Calculations | |
| 10. Load Flow Studies | 21. Design of Transmission Lines | |
| 11. Economic Operation of Power System and Unit Commitment | 22. Power System Earthing | |
| | 23. Voltage Stability | |

B R Gupta is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.



Fundamentals of Electrical Engineering and Electronics

B L Theraja

Multicolour
Edition

About the Book

"*Fundamentals of Electrical Engineering and Electronics*" is a useful book for undergraduate students of electrical engineering and electronics as well as B.Sc. Electronics. The book discusses concepts such as Network Analysis, Capacitance, Electromagnetic Induction, Motors Circuits and Diodes in an easy to relate and thereby understand manner.

Designed in accordance with the syllabi of most major universities, the book is an essential resource for anyone aspiring to learn the fundamentals and teaches students much about the subject itself.

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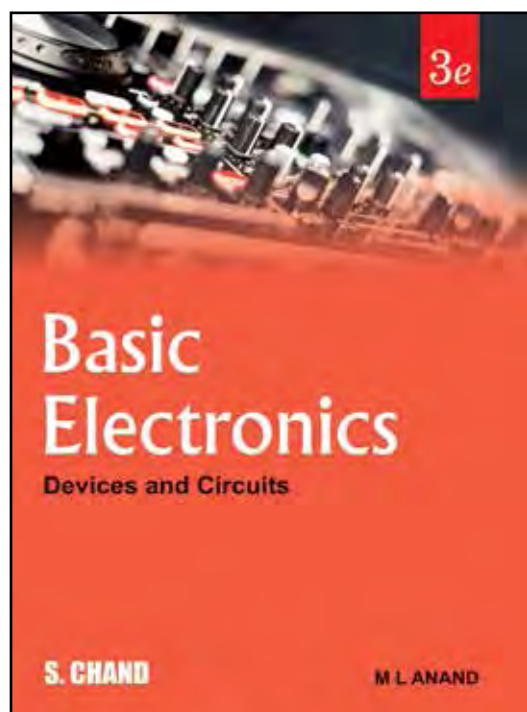
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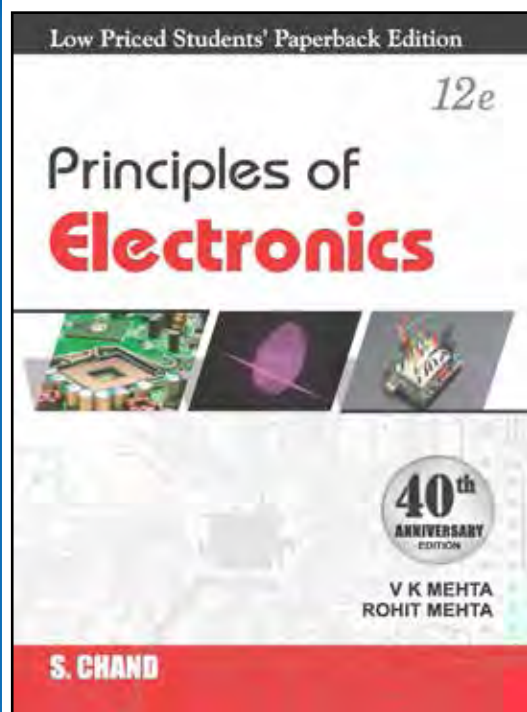
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Principles of Electronics 12e

V K Mehta & Rohit Mehta

About the Book

In its 40th year, "Principles of Electronics" remains a comprehensive and succinct textbook for students preparing for B. Tech, B. E., B.Sc., diploma and various other engineering examinations. It also caters to the requirements of those readers who wish to increase their knowledge and gain a sound grounding in the basics of electronics.

Concepts fundamental to the understanding of the subject such as electron emission, atomic structure, transistors, semiconductor physics, gas-filled tubes, modulation and demodulation, semiconductor diode and regulated D.C. power supply have been included, added and updated in the book as full chapters to give the reader a well-rounded view of the subject.

Instructor's Resource available

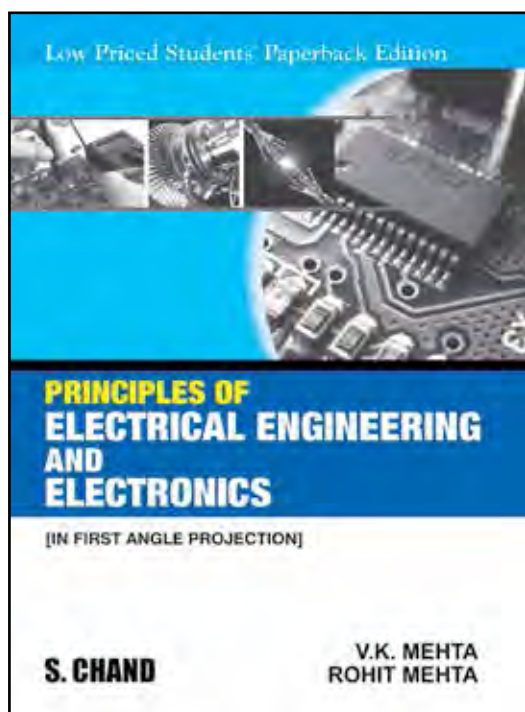
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| 8. Single Stage Transistor Amplifiers | 17. Field-Effect Transistors | |
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Principle of Electrical Engineering and Electronics

V K Mehta & Rohit Mehta

About the Book

"Principles of Electrical Engineering and Electronics" is a comprehensive book for undergraduate engineering course in Electrical and Electronics Engineering. For more than 20 years, the book successfully continues to cover the fundamental theory of Electrical Engineering explaining about electricity, D.C. Circuits, Magnetism and Electromagnetic Induction before moving on to applications such as D.C. Generators and Motors among other important concepts.

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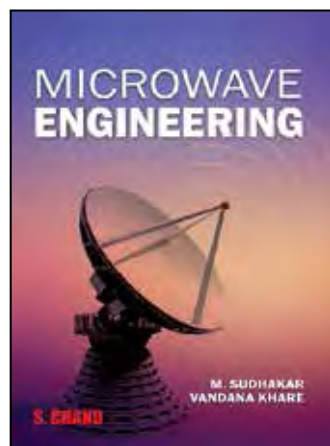
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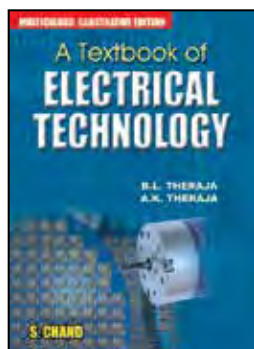
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M Sudhakar is currently working as Professor and Vice Principal of CMR College of Engineering & Technology, Hyderabad.

Vandana Khare is currently working as Associate Professor in the Department of ECE at CMR College of Engineering & Technology, Hyderabad.



A Textbook of Electrical Technology 24e

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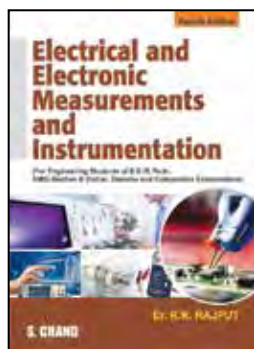
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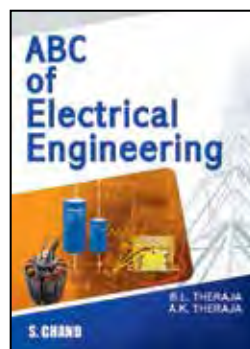
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Er. R K Rajput is former principal Punjab College of Information Technology and Thapar Polytechnic College.



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Principles of Electrical Engineering and Electronics

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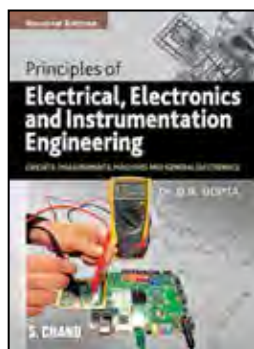
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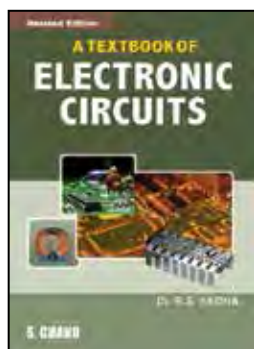
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B R Gupta is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.



A Textbook of Electronic Circuits 4e

R S Sedha

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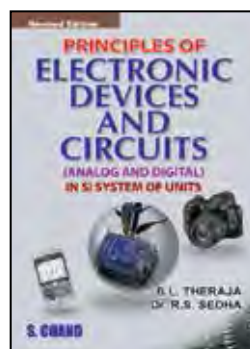
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R S Sedha is PhD (UK), FIETE, MIEEE and Program Chair, School of Engineering, Republic Polytechnic, Singapore.



Principles of Electronic Devices and Circuits (Analog and Digital)

B L Theraja & R S Sedha

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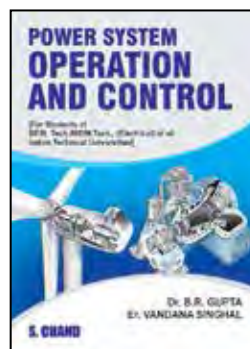
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R S Sedha is PhD (UK), FIETE, MIEEE and Program Chair, School of Engineering, Republic Polytechnic, Singapore.



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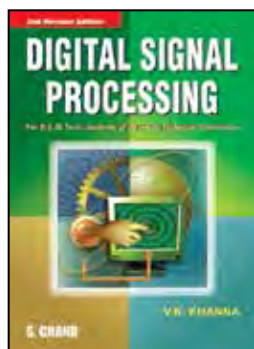
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B R Gupta is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.

Vandana Singhal, is M.E. and Assistant Director Central Electricity Authority, New Delhi.



Digital Signal Processing, 2e

V K Khanna

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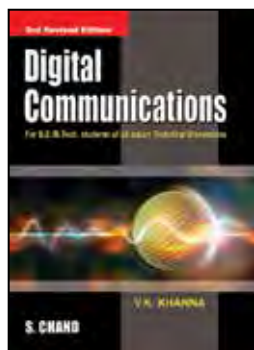
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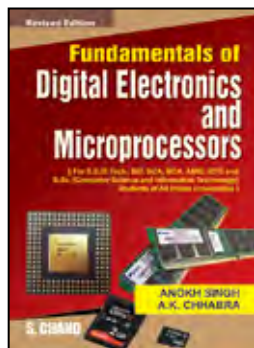
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V K Khanna is Ph.D. (Physics), FIETE and Scientist, MEMS & Microsensors Solid-State Devices (SSD) Division Central Electronics Engineering Research Institute, Pilani.



Fundamentals of Digital Electronics and Microprocessors

Anokh Singh & A K Chhabra

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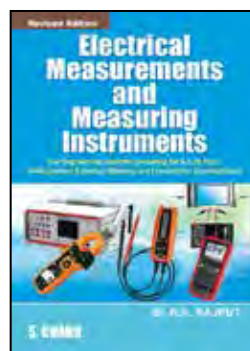
Contents

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Anokh Singh is Professor, Department of Applied Electronics and Microwave Technology Pusa Institute, New Delhi.

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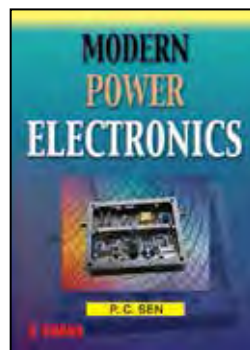
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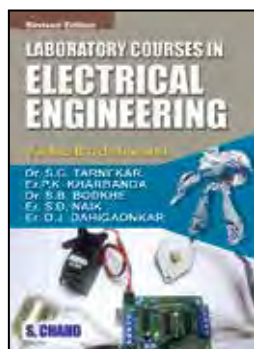
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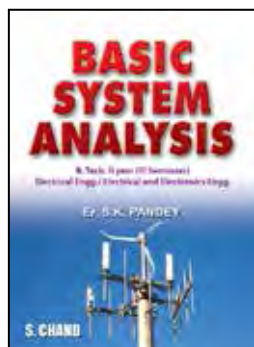
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P K Kharbanda, M.E. (Electrical), is former Associate Professor, Department of Electrical Engineering, Visvesvaraya National Institute of Technology, Nagpur.

S B Bodkhe is PhD. (Electrical Engineering) and Professor & Head, Department of Electrical Engineering, G.H. Raisoni College of Engineering, Nagpur.

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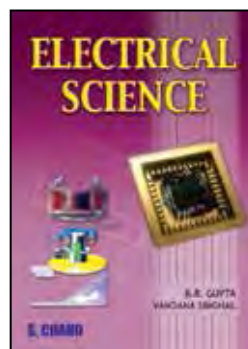
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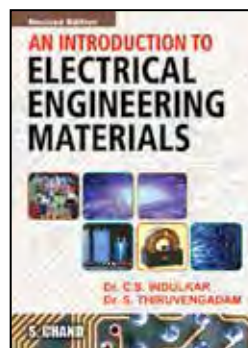
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B R Gupta is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.

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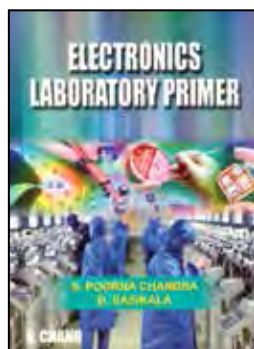
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C S Indulkar is alumni IIT Kharagpur, PhD. (Manchester) and Life Senior Member IEEE, F.I.E. (India). He is Associate of the Manchester College of Science & Technology and Former Professor & Head, Electrical Engineering Department (IIT Delhi).

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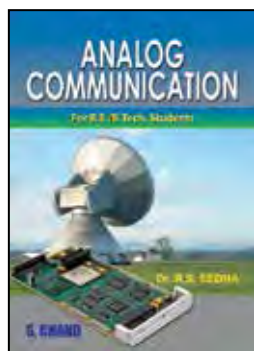
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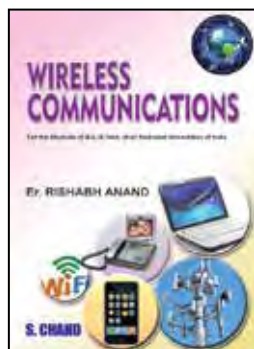
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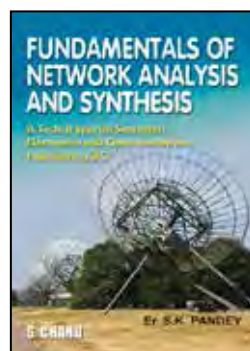
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R S Sedha is PhD (UK), FIETE, MIEEE and Program Chair, School of Engineering, Republic Polytechnic, Singapore.



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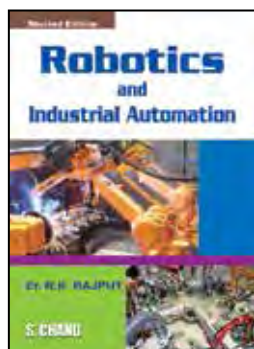
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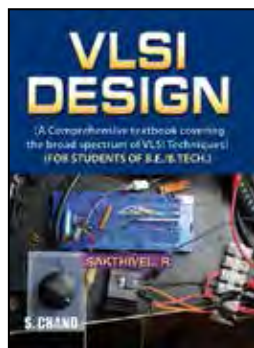
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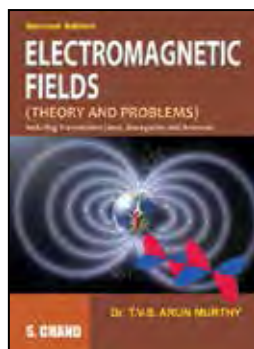
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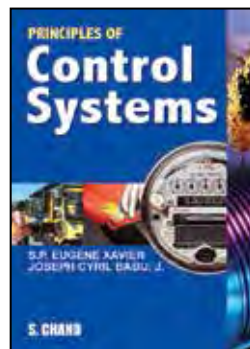
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T V S Arun Murthy is Principal, Nova College of Engineering & Technology, Jupudi and formerly Principal, Kottam Institutions, Kurnool and Senior Faculty, S.S.G.M. College of Engineering, Shegaon.



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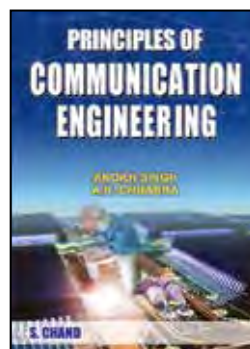
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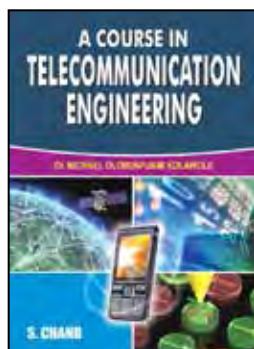
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Anokh Singh is Professor, Department of Applied Electronics and Microwave Technology Pusa Institute, New Delhi.

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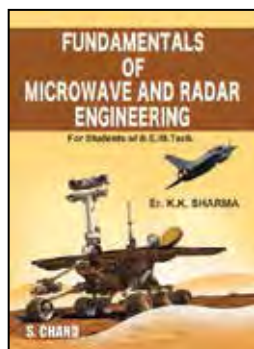
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Michael Olorunfunmi Kolawole is Managing Director, Jolade Pvt. Ltd., Melbourne and Adjunct Professor of Communication Engineering of the Federal University of Technology, Akure, Nigeria.



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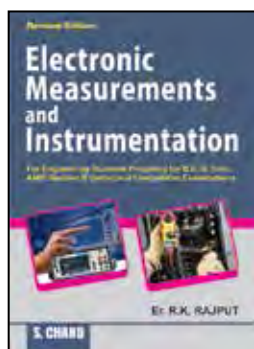
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K K Sharma is Assistant Professor, Department of Electronics & Communication Engineering, Lingaya's University, Faridabad.



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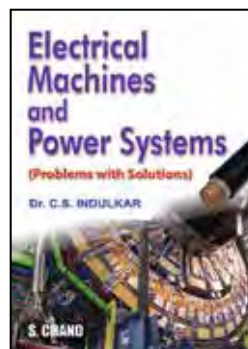
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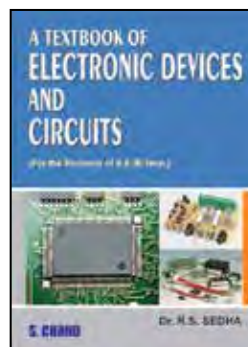
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C S Indulkar is alumni IIT Kharagpur, PhD. (Manchester) and Life Senior Member IEEE, F.I.E. (India). He is Associate of the Manchester College of Science & Technology and Former Professor & Head, Electrical Engineering Department (IIT Delhi).



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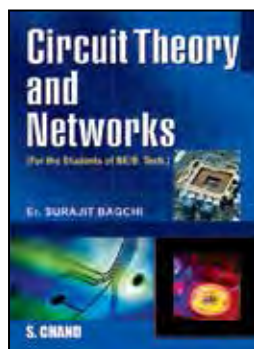
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R S Sedha is PhD (UK), FIETE, MIEEE and Program Chair, School of Engineering, Republic Polytechnic, Singapore.



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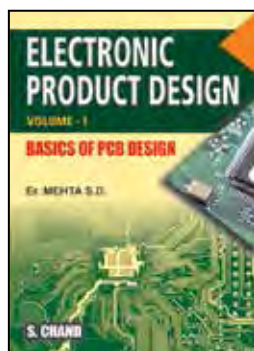
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Surajit Bagchi is alumni, University of Calcutta and Assistant Professor, Heritage Institute of Technology, Kolkata.



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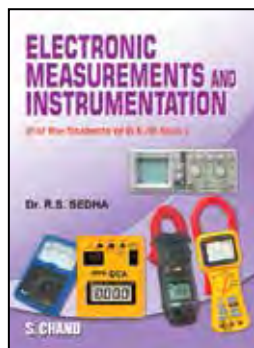
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S D Mehta is the Director – Sales, Entuple Academic Solution Initiative (EASI), Entuple Technologies (P) Ltd. Indiranagar, Bengaluru.



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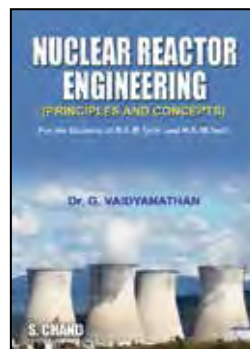
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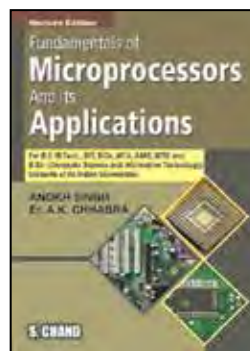
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G Vaidyanathan is Visiting Professor, Department of Nuclear Science & Engineering, SRM University, Chennai and Former Director, Fast Reactor Technology, Department of Atomic Energy, Kalpakkam.



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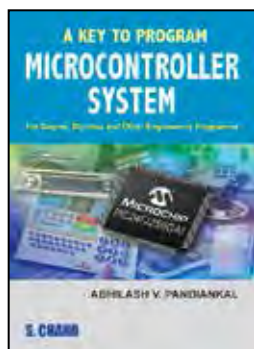
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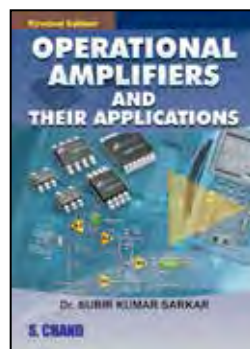
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Abhilash V. Pandiankal is Lecturer, Department of Electronics, Mar Augusthinose College (Affiliated to MG University), Ramapuram, Kottayam.



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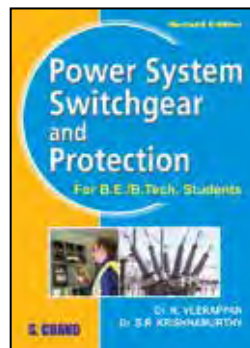
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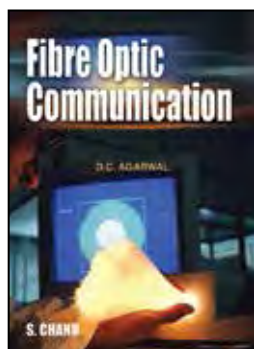
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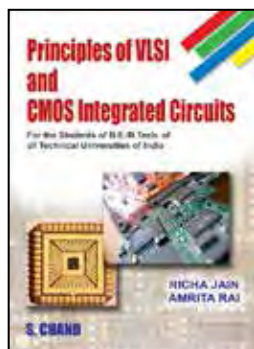
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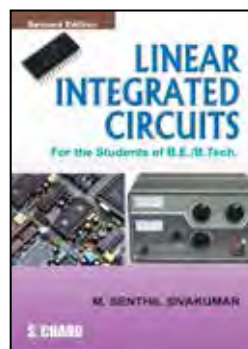
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Richa Jain is Assistant Professor, Electronics and Communication Department, Lingaya's University, Faridabad.

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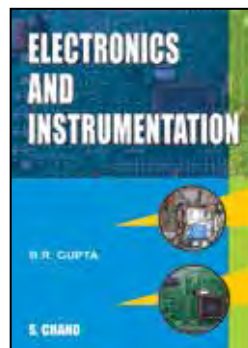
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M Senthil Sivakumar is Assistant Professor, Department of Electronics and Communication Engineering, National Institute of Puducherry and formerly at St. Joseph University in Tanzania.



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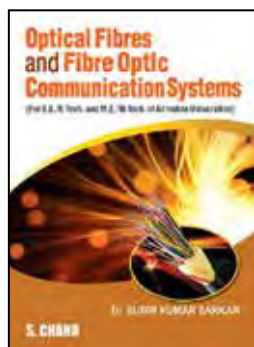
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Dr B R Gupta, is MIE (India) and Senior Member IEEE (USA). He is ex-Professor, Electrical Engineering, Punjab Engineering College, Chandigarh.



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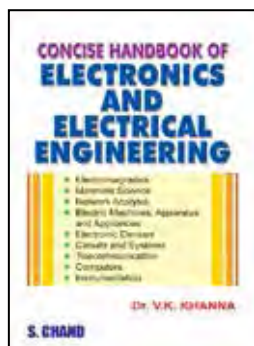
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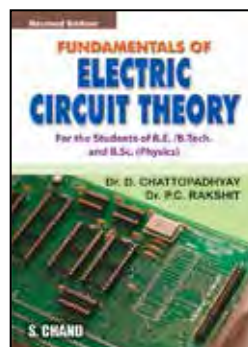
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V K Khanna is Ph.D. (Physics), FIETE and Scientist, MEMS & Microsensors Solid-State Devices (SSD) Division Central Electronics Engineering Research Institute, Pilani.



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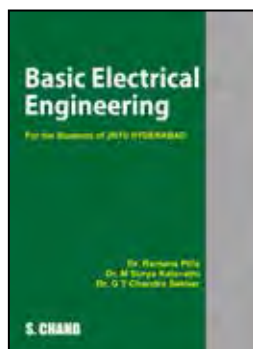
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N N Jain, Former Head, Department of Computer Science, Saurashtra University, Rajkot.

Kamaljit I Lakhtaria, Lecturer, MCA Department, Atmiya Institute of Technology & Science, Rajkot.

N Ashish Jain, Professor, MCADepartment, LDRP Institute of Technology & Research, Gandhinagar.

Neeta Kanabar, Lecturer, Department of Computer Science, Saurashtra University, Rajkot.



Basic Electrical Engineering

Dr. Ramana Pilla
Dr. M Surya Kalavathi
Dr. G T Chandra Sekhar

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This book is designed based on revised syllabus of JNTUH, Hyderabad (AICTE model curriculum) for under-graduate (B.Tech/BE) students of all branches, those who study Basic Electrical Engineering as one of the subject in their curriculum. The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits, Network Theorems, Resonance, Three phase circuits, Transformers, Electrical Machines and Electrical Installation

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Contents

1. DC Circuits, 2. AC Circuits, 3. Resonance, 4. The Three Phase Circuits, 5. Transformers, 6. DC Machines, 7. AC Machines, 8. Electrical Installation, Bibliography, Index

Dr. Ramana Pilla: is Associate Professor at GMR Institute of Technology, Rajam, Andhra Pradesh, where he has been teaching for the past 17 years. He received his B.Tech. in EEE, M. Tech. in Electrical Power Engineering and Ph.D in EEE from JNTUH, Hyderabad. He has published/presented 40 papers in international and national journals/conferences of repute. His areas of interest are control systems, power systems and electrical machine drives.

Dr. S. K. Munagala: is Professor at JNTUH College of Engineering Hyderabad, Telangana, where she has been teaching for the past 26 years. She received her B. Tech. in EEE and M. E in Power System Operation and Control from Sri Venkateswara University, Tirupati, Andhra Pradesh. She received Ph.D from JNTUH Hyderabad and Post-Doctoral from Carnegie Mellon University, Pittsburgh, USA.

Dr. G. T. Chandra Shekhar: Dr. G. T. Chandra Sekhar is Associate Professor & HoD at Sri Sivani College of Engineering, Srikakulam, Andhra Pradesh, where he has been teaching for the past 10 years. He received his B.Tech. in EEE from JNTU, Hyderabad, M.Tech in Power Electronics & Electric Drives from JNTUK, Kakinada. He received Ph.D in Electrical Engineering from Veer Surendra Sai University of Technology, Burla, Odisha, India.

Books for Gujarat Technical University



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- Multiple choice questions, review questions and typical unsolved problems with answers have been provided at the end of each chapter.
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Contents

1. DC Circuits, 2. AC Circuits, 3. Resonance, 4. Three Phase Circuits, 5. Transformers, 6. DC Machines, 7. AC Machines, 8. Electrical Installation • Model Question Papers

Ramana Pilla He is Associate Professor at GMR Institute of Technology, Rajam, Andhra Pradesh, where he has been teaching for the past 17 years. He received his B.Tech. in EEE, M. Tech. in Electrical Power Engineering and Ph.D in EEE from JNTUH, Hyderabad. He has published/presented 40 papers in international and national journals/conferences of repute. His areas of interest are control systems, power systems and electrical machine drives.

H D Mehta He was born on August 26, 1973 in Rajkot, India. He received his B.E., M.E. and Ph.D degrees from North Gujarat University and R.K. University in 1995, 2007 and 2016 respectively. He is currently working as Associate Professor (Electrical) at Government Engineering College, Modasa, Gujarat. He has 22 years of teaching experience and his research areas include neural networks, genetic algorithms and multi-objective optimization of power systems and transformers.

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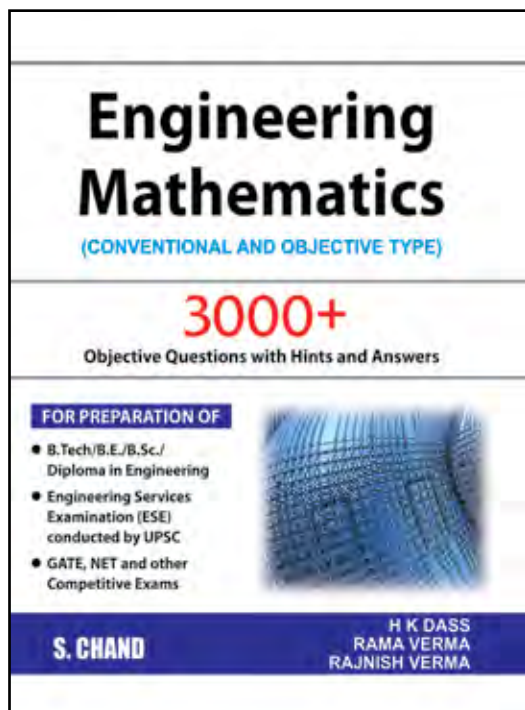
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Engineering Mathematics

H K Dass, Rama Verma & Rajnish Verma

About the Book

Engineering Mathematics (Conventional and Objective Type) completely covers the subject of Engineering Mathematics for engineering students (as per AICTE) as well as engineering entrance exams such as GATE, IES, IAS and Engineering Services Exams. Though a first edition, the book is enriched by 50 years of Academics and professional experience of the Author(s) and the experience of more than 85 published books.

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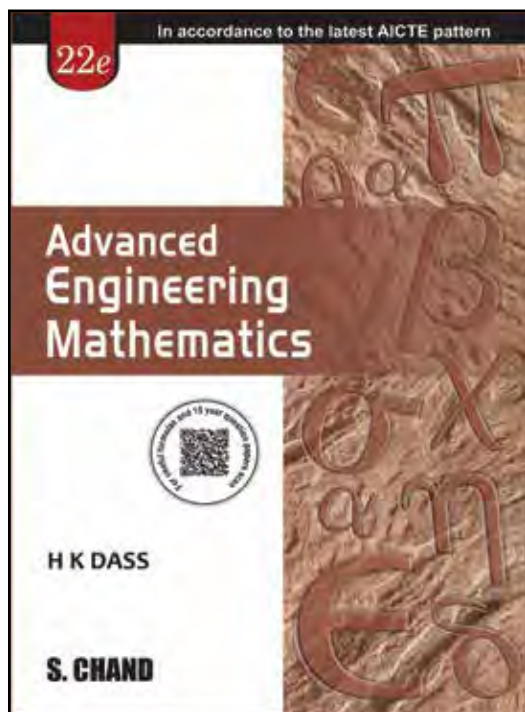
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H K Dass is MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.

Dr. Rama Verma M.Sc. (Gold Medalist), Ph.D., Associate Professor, Mata Sundri College

Rajnish Dass Ph.D.(P), Fellow IETE, MBA, B.E. Electronics Engineering DCE / DTU, Consultant (Retd.) - TCS Ltd., Ex. DGM - CMC Ltd.



Advanced Engineering Mathematics, 22e

H K Dass

About the Book

"Advanced Engineering Mathematics" is written for the students of all engineering disciplines. Topics such as Partial Differentiation, Differential Equations, Complex Numbers, Statistics, Probability, Fuzzy Sets and Linear Programming which are an important part of all major universities have been well-explained. Filled with examples and in-text exercises, the book successfully helps the student to practice and retain the understanding of otherwise difficult concepts.

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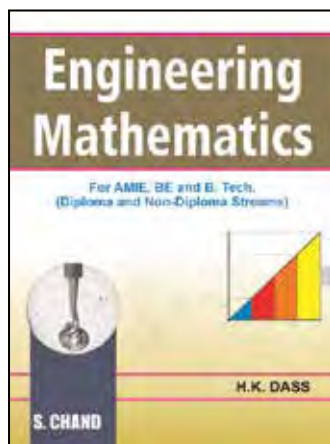
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H K Dass is MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England).

He is also the winner of Secular India Award – 1998.



Engineering Mathematics 14e

H K Dass

About the Book

"Engineering Mathematics" is written primarily for the students of AMIE but is tailor-made for other engineering courses as well.

Filled with examples and in-text exercises, the text successfully helps the student not only comprehend but practice and retain the understanding of otherwise difficult concepts. A book which has seen, foreseen and incorporated changes in the subject for close to 30 years, it continues to be one of the most sought after texts by the students.

Salient Features

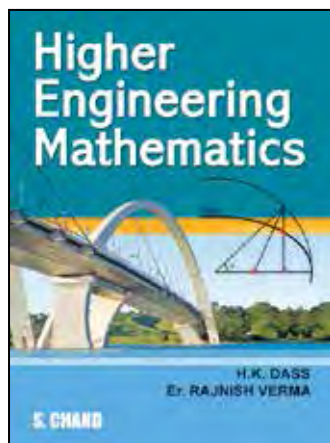
- Every topic relating to the subject has been provided with ample coverage.
- Close to 1000 solved examples (including previous year questions of different universities) on various topics have been incorporated for the better understanding and to make familiar with the standard and trend of questions set in the examinations.
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H K Dass is MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.



Higher Engineering Mathematics 1e

H K Dass & Rajnish Verma

About the Book

Written for all students of engineering, "Higher Engineering Mathematics" provides ample practice to be picked for aspirants of various entrance examinations.

Filled with examples and in-text exercises, the text successfully helps the student not only comprehend but practice and retain the understanding of otherwise difficult concepts. A book which has seen, foreseen and incorporated changes in the subject for more than 15 years, it continues to be one of the most sought after texts by the students.

Salient Features

- Every topic relating to the subject has been provided with ample coverage.
- Close to 2000 solved examples (including previous year questions of different universities) on various topics have been incorporated for the better understanding and to make familiar with the standard and trend of questions set in the examinations.
- More than 2500 in-text exercise questions and book-end solved question papers provide apt practice of all concepts explained.

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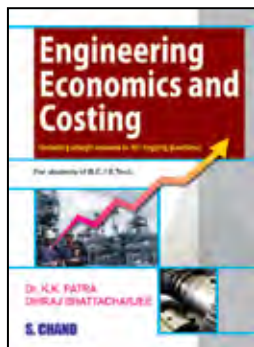
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of Two Variables, Unit-II: 7. Double Integrals, 8. Application of the Double Integrals (Area, Centre of Gravity, Mass, Volume), 9. Triple Integration, 10. Application of Triple Integration, Unit-III: 11. Differential Equations of First Order, 12. Linear Differential Equations of Second Order, 13. Cauchy-Euler Equations, Method of Variation of Parameters, 14. Simultaneous Linear Differential Equations, 15. Differential Equation of other Types, 16. Applications to Differential Equations, Unit-IV: 17. Determinants, 18. Algebra of Matrices, 19. Rank of Matrix, 20. Consistency of Linear System of Equations and their Solutions, 21. Eigen Values, Eigen Vector, Cayley Hamilton Theorem, Diagonalisation (Complex and Unitary Matrices, Application), Unit-V: 22. Review of Vector Algebra, 23. Differentiation of Vector (Point Function, Gradient, Divergence and Curl of a Vector and their Physical Interpretations), 24. Vector Integration, Unit-VI: 25. Complex Numbers, 26. Expansion of Trigonometric Functions, 27. Functions of Complex Variable, Analytic Function, 28. Conformal Transformation, 29. Complex Integration, 30. Taylor's and Laurent's Series, 31. The Calculus of Residues (Integration), Unit-VII: 32. Series Solutions of Second Order Differential Equations, 33. Bessel's Functions, 34. Legendre Functions, 35. Hermite Function, 36. Laguerre's Function, 37. Chebyshev Polynomials, 38. Gamma, Beta Functions, Unit-VIII: 39. Infinite Series, 40. Fourier Series, Unit-IX: 41. Integral Transforms, 42. Laplace Transform, 43. Inverse Laplace Transforms, 44. Z-Transforms, 45. Hankel Transform, 46. Hilbert Transform, Unit-X: 47. First Order Lagrange's Linear Partial Differential Equations, 48. Linear Partial Differential Equations with Constant Coefficients of 2nd Order, 49. Applications of Partial Differential Equations, Unit-XI: 50. Algebraic and Transcendental Equations (Bisection Method, Regula Falsi, Newton Raphson Method), 51. Simultaneous Linear Equations, 52. Numerical Technique for Solution of Ordinary Differential Equations, 53. Numerical Techniques for Solution of Partial Differential Equation, Unit-XII: 54. Calculus of Variation, 55. Tensor Analysis, Unit-XIII: 56. Linear Programming, Unit-XIV: 57. Statistical Technique, 58. Method of Least Squares, 59. Correlation and Regression, 60. Correlation and Multiple Regression Analysis, Unit-XV: 61. Probability, 62. Sampling Methods, 63. Binomial Distribution, 64. Poisson Distribution, 65. Normal Distribution, 66. Fuzzy Sets • Index

H K Dass is MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.

Rajnish Verma is alumnus Delhi College of Engineering and MBA from FMS, New Delhi.



Engineering Economics and Costing 1e

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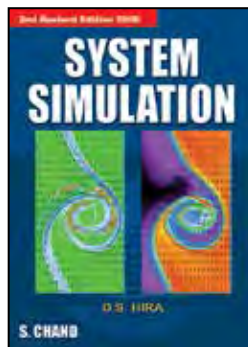
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K K Patra is Professor of Finance and Dean (Administration) Rourkela Institute of Management Studies, Rourkela.

Dhiraj Bhattacharjee is faculty in Department of MBA, Purushottam Institute of Engineering & Technology, Rourkela.



System Simulation, 2e

D S Hira

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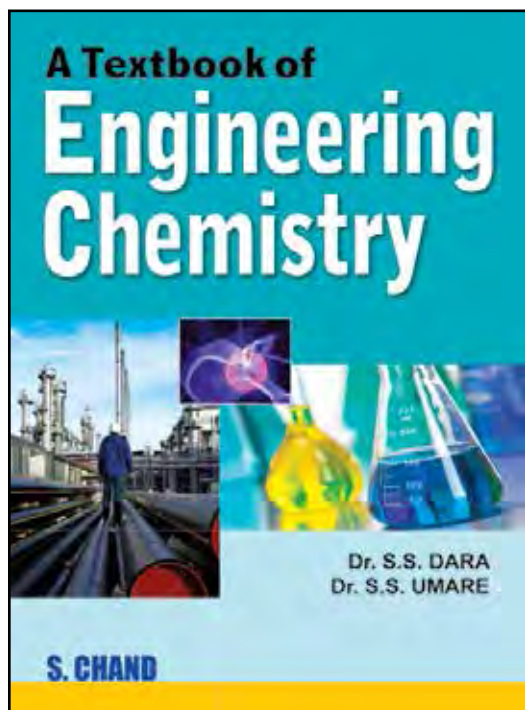
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D S Hira is Director General, Swami Vivekanand Group of Institute, Patiala.



A Textbook of Engineering Chemistry 12e

S S Dara & S S Umare

About the Book

"A Textbook of Engineering Chemistry" is written exclusively for students of all branches of engineering, keeping in view their professional requirements. A comprehensive book, divided in 26 chapters, in its twelfth edition, with the help of apt revisions, continues to cover the entire syllabus of engineering chemistry for different universities for more than 30 years.

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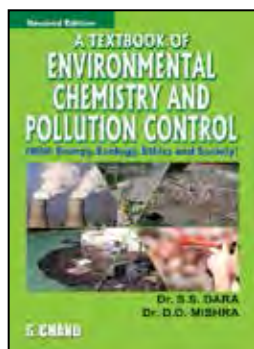
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S S Dara is Former Professor and Head: Department of Applied Chemistry, Visvesvaraya National Institute of Technology, Nagpur.

S S Umare is Professor and Head: Department of Applied Chemistry, Visvesvaraya National Institute of Technology, Nagpur.



A Textbook of Environmental Chemistry and Pollution Control 9e

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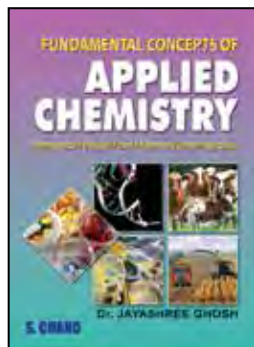
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S S Dara is former Professor and Head, Department of Applied Chemistry, Visvesvaraya National Institute of Technology, Nagpur.

D D Mishra is Principal, Technocrats Institute of Technology, Bhopal.



Fundamental Concepts of Applied Chemistry

Jayashree Ghosh

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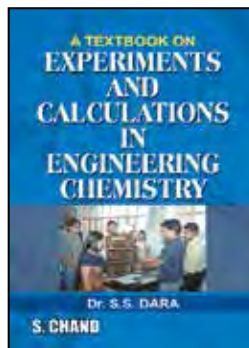
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Jayashree Ghosh is HOD, Chemistry Department, Anna Adarsh College for Women, Chennai.



A Textbook on Experiments and Calculations in Engineering Chemistry

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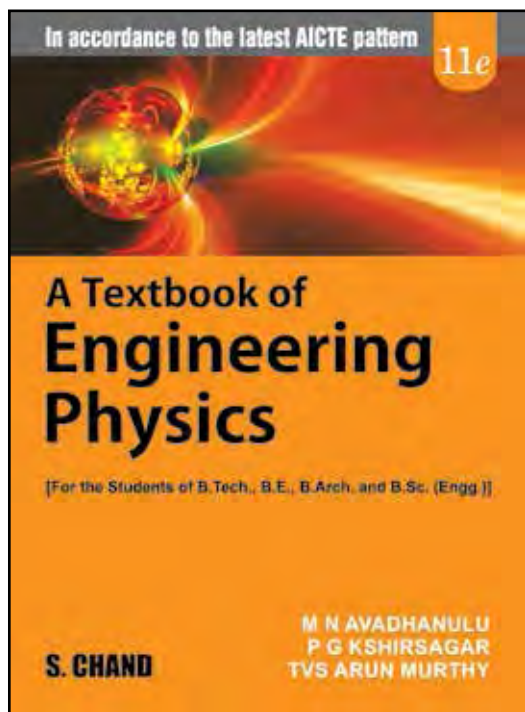
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S S Dara is former Professor and Head, Department of Applied Chemistry, Visvesvaraya National Institute of Technology, Nagpur.



A Textbook of Engineering Physics, 11e

M N Avadhanulu, P G Kshirsagar &
T V S Arun Murthy

Instructor's Resource available

About the Book

Primarily written for the first year undergraduate students of engineering, "A Textbook of Engineering Physics" also serves as a reference text for B.Sc students, technologists and practitioners.

The book explains all the relevant and important topics in an easy-to-understand manner. Forty chapters, beginning with a detailed discussion on oscillation, the book goes on to discuss optical fibres, lasers and nanotechnology. A rich pedagogy helps in understanding of every concept explained.

A book which has seen, foreseen and incorporated changes in the subject for more than 25 years, it continues to be one of the most sought after texts by the students.

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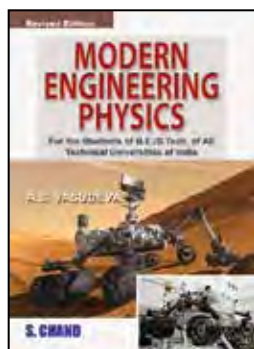
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M N Avadhanulu is Former Professor and Head, Department of Physics, Kavikulguru Institute of Technology & Science Ramtek (Nagpur).

P G Kshirsagar is Former Head of the Department of Applied Physics, Visvesvaraya National Institute of Technology, Nagpur.

TVS Arun Murthy is HoD, Physics S&H and Vice Principal, Joginipally BR Engineering College, Hyderabad.



Modern Engineering Physics 9e

A S Vasudeva

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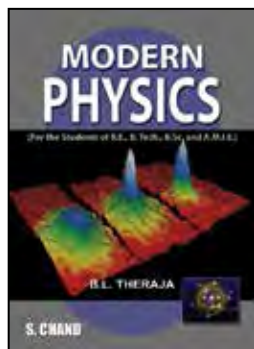
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A S Vasudeva is Professor & Head, Department of Physics, BBSB Engineering College, Fateh Garh Sahib, Punjab. He is former Head, Department of Physics and Applied Sciences, Guru Nanak Dev Engineering College, Ludhiana.



Modern Physics 16e

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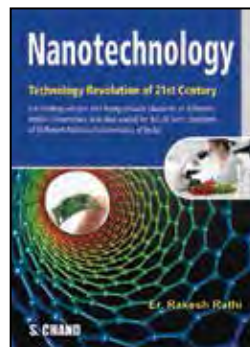
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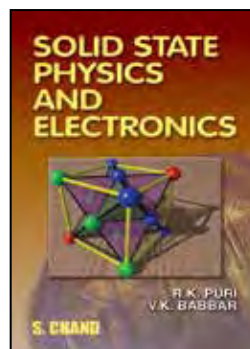
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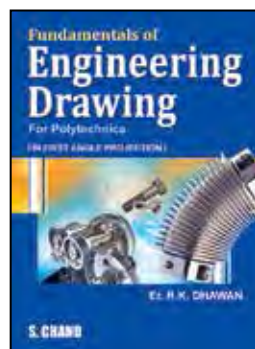
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R K Puri, Ph.D., Professor, Department of Physics, Indian Institute of Technology, New Delhi.

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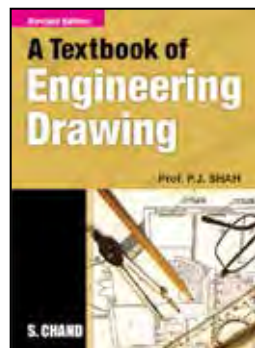
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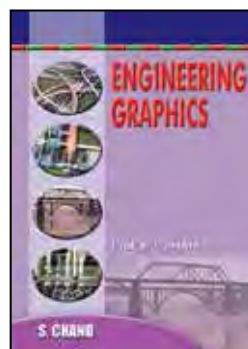
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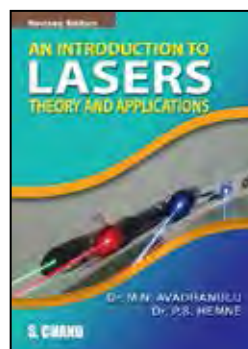
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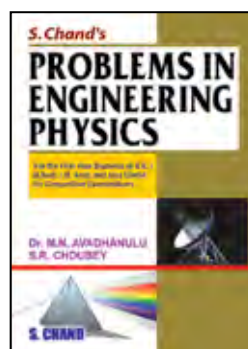
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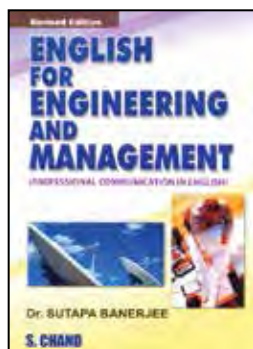
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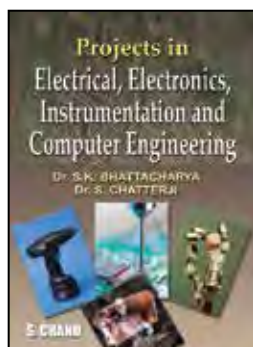
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S K Bhattacharya is Principal, SUS College of Engineering & Technology, Tangori (Punjab).

S Chatterji is Professor and Head, Electrical Engineering Department, National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh.



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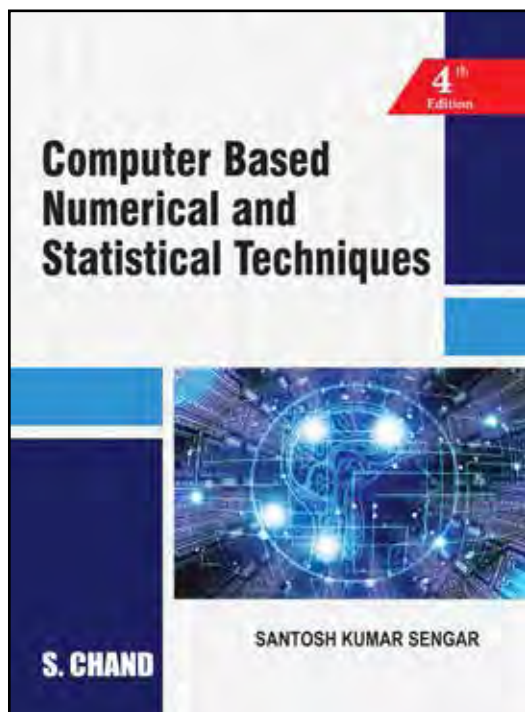
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Dilip Gaikwad is Chief Editor, Former Senior Lecturer, Meghe Group of Institutions, Nagpur.

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Santosh Kumar is PhD. (AMU Aligarh) and Associate Professor, Department of Mathematics and Statistics, School of Natural Science and Mathematics, University of Dodoma, Tanzania.



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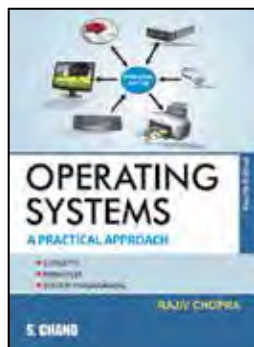
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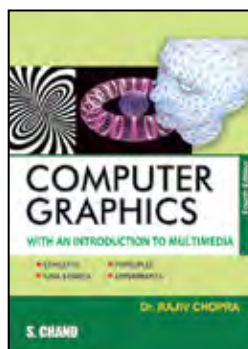
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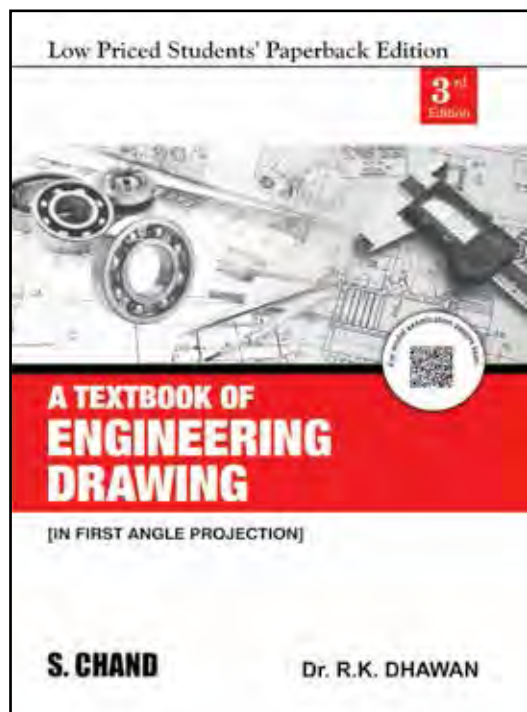
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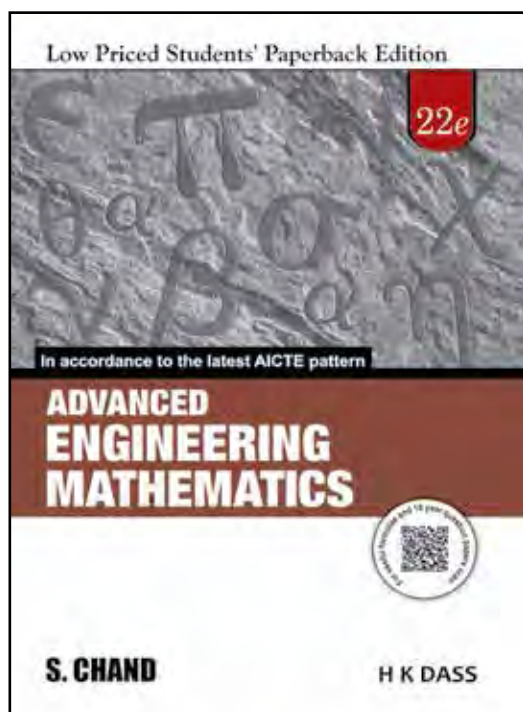
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Dr. R K Dahwan, M.I.E., M.I.S.T.E., is ex Principal Ramgarhia Institute of Engineering & Technology Satnampura, Phagwara (Punjab Technical University, Jalandhar).

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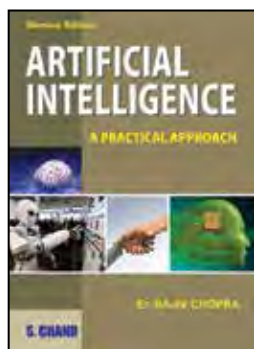
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H K Dass is MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.



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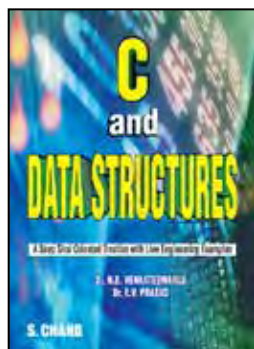
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Rajiv Chopra is Associate Professor, CSE Department, Guru Tegh Bahadur Institute of Technology (GTBIT), affiliated to Guru Gobind Singh Indraprastha University, New Delhi. He is also a CCEH – (Crezone Certified Ethical Hacker).



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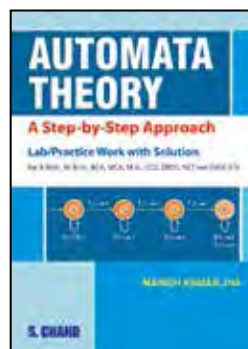
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N B Venkateswarlu is Ph.D. (BITS, Pilani), PDF (Leeds, UK), Senior Professor in CSE Aditya Institute of Technology And Management (AITAM), Tekkali, Andhra Pradesh.

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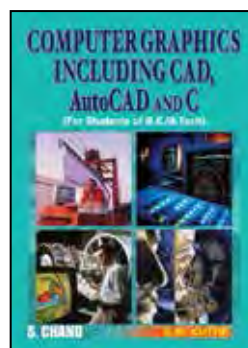
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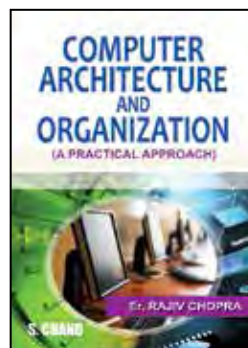
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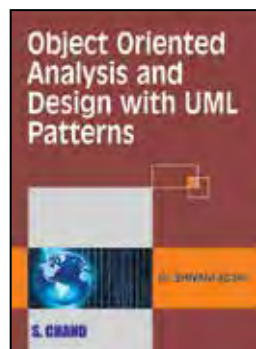
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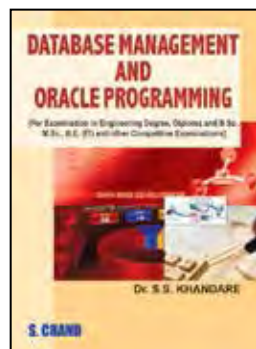
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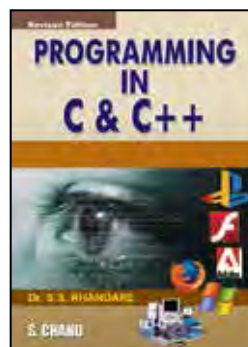
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S S Khandare, PhD, IIT Delhi, is Principal, B.D. College of Engineering, Sewagam and Ex-Principal, LDRP Institute of Technology, Gandhinagar.



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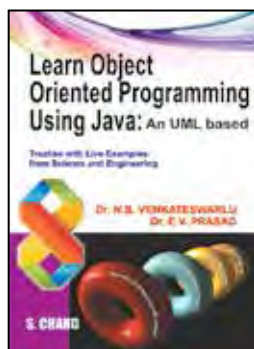
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D P Kothari is Director General, Rasoni Group of Institutions, Nagpur, Emeritus Director General, VITS Indore, Former Vice Chancellor, VIT University Vellore, Former Director i/c, IIT Delhi and Formerly Principal, VRCE, Nagpur.

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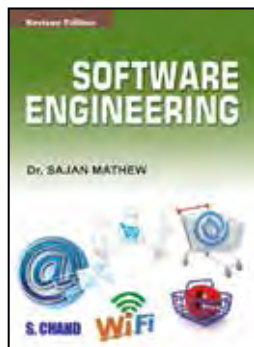
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N B Venkateswarlu is Ph.D. (BITS, Pilani), PDF (Leeds, UK), Senior Professor in CSE Aditya Institute of Technology and Management (AITAM), Tekkali, Andhra Pradesh.

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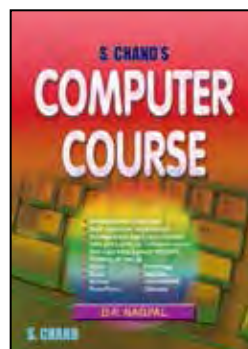
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Sajjan Mathew is Professor of Information Systems, Alliance University, Bangalore.



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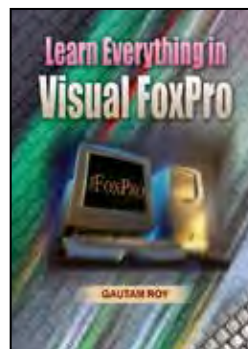
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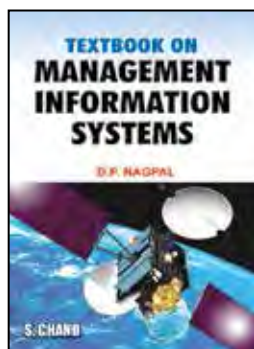
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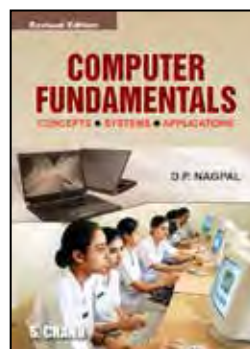
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U S Pandey is Associate Professor, School of Open Learning, University of Delhi and Former Professor and Director-IT, Vivekananda Institute of Professional Studies (Affiliated to GGSIP University, Delhi).

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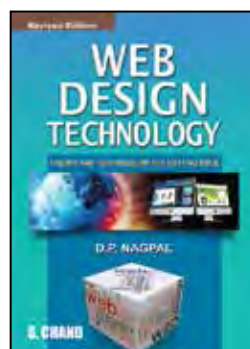
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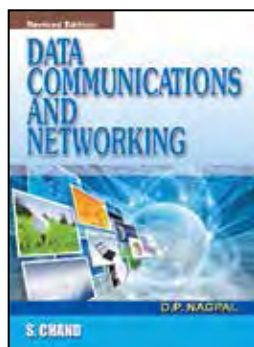
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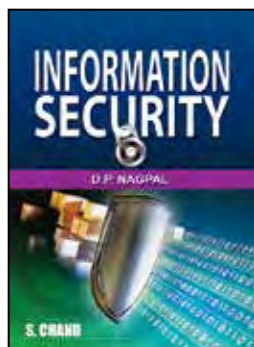
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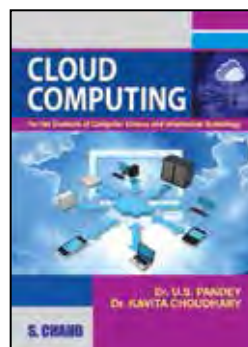
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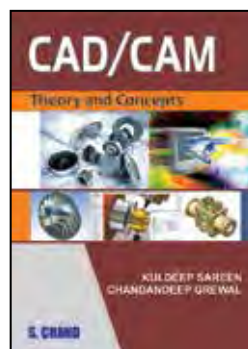
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Dr U S Pandey is Associate Professor, School of Open Learning, University of Delhi and Former Professor and Director-IT, Vivekananda Institute of Professional Studies (Affiliated to GGSIP University, Delhi).

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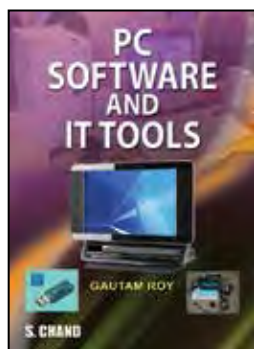
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Kuldeep Kumar Sareen is Ex-Assistant Professor, Department of Mechanical & Production Engineering, Guru Nanak Dev Engineering College, Ludhiana.

Chandandeep Singh Grewal is faculty of Department of Mechanical & Production Engineering, Guru Nanak Dev Engineering College, Ludhiana.



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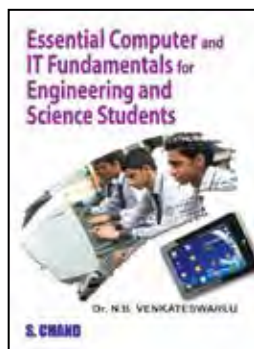
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Sandeep Saxena is Assistant Professor (CSE), Galgotias College of Engineering & Technology, Greater Noida (U.P.).

Rajkumar Singh Rathore is Assistant Professor (CSE), Galgotias College of Engineering & Technology, Greater Noida (U.P.).



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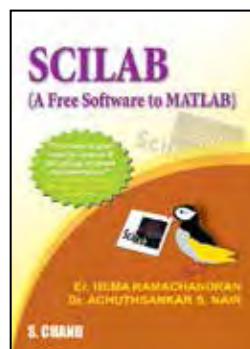
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N B Venkateswarlu is Ph.D. (BITS, Pilani), PDF (Leeds, UK), Senior Professor in CSE Aditya Institute of Technology And Management (AITAM), Tekkali, Andhra Pradesh.



SCILAB (A Free Software to MATLAB) 1e

Hema Ramachandran &
Achuthsankar S Nair

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Hema Ramachandran is Speed-IT Research Fellow, College of Engineering, Trivandrum and Former Principal, University College of Engineering, University of Kerala.

Dr Achuthsankar S Nair is Director, Inter-University Centre of Excellence in Bio-informatics, University of Keral and Former Director, C-DIT, Government of Kerala.



A Handbook of Object Oriented Programming with JAVA

Sandip Rakshit &
Goutam Panigrahi

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Sandip Rakshit is Lecturer, Department of MCA, Techno India College of Technology, Kolkata.



Python with Machine Learning

Dr. A Krishna Mohan
Dr. T Murali Mohan
Karunakar

ISBN: 9789352835102

Code: 9789352835102

Price: ₹ 450 | Pages: 688

Size: 6.75" X 9.5" (Paperback)

About the Book

The book "Python with Machine Learning" has been written in articulate manner and is packed with practical approach, for all undergraduate and graduate students of Computer Science and Engineering (M.Tech, M.C.A, M.Sc (CS, IT) B.Tech), and research scholars and also for corporate employees, those who are new to this area. Especially, for beginners, programming skills and learning concepts are explained in simple manner with sufficient knowledge through this book. This book includes a large number of examples, solved problems, summaries and MCQs.

Key Features

- This book has been written in articulate manner and is packed with practical approach for all undergraduate and graduate students of Computer Science and Engineering (M.Tech, M.C.A, M.Sc (CS, IT) B.Tech), and research scholars and also for corporate employees, those who are new to this area.
- For beginners, programming skills and learning concepts are explained in simple manner with sufficient knowledge through this book.
- This book includes a large number of examples, solved problems, summaries and MCQs.

Contents

1. Introduction to Python, 2. Types, Operators and Expressions, 3. Data Structures, 4. Functions, Modules and Packages, 5. Object Oriented Programming, 6. Multithreading, GUI, Turtle, Testing and Standard Libraries, 7. Introduction to Machine Learning, 8. NumPy (Numerical Python), 9. SciPy (Scientific Computing), 10. Python - Pandas, • Multiple Choice Questions

A. Krishna Mohan Professor, Department of CSE, University College of Engineering, JNTUK, Kakinada, Andhra Pradesh, India. He has 10+ years of Experience in IT Industry and 4+ years of Management Experience and worked for MNC's Like Fuzitsu, Mastech, Cigna, HardFord Insurance, Citi Corp, Quest Diagnostics and TCS. He worked 10+ years of experience in overseas countries like USA, Singapore etc., He got Best Manager Award in TCS and Awarded Twice Best Teacher by outgoing student evaluation for the years 2013 and 2016. He has 10+ years of Teaching Experience in Government University JNTUK, and a vast knowledge in various platforms like J2EE Technologies Servlets, JSP, EJBs, struts, Springs and Web Technologies like JavaScript, Html, Xml and Design Object Oriented Systems like MVC Architecture, Jakarta struts Spring frame work and Rational Rose. He is expertise in BIG Data, Data Mining, Hadoop, Hadoop tools like Hive, PIG and HBase, and Statistical Analysis using R. He is resource person to the train the faculty at various Universities.

T. Murali Mohan Associate Professor, and Head of the Department of CSE, Swarnandhra Institute of Engineering and Technology (SIET), Narsapur, West Godavari, Andhra Pradesh, India. He was a former MONBUSHO(MEXT) Scholar from Govt. of Japan and awarded the degree Ph.D from Hiroshima University, Hiroshima, Japan. He is an author of "Statistics with R Programming (A Beginner's Guide)" by S.CHAND Publication. He has vast experience in Teaching, Industrial and Research. He has published Number of Technical papers in National and International Journals. He got a BEST Paper award in the 13th International Conference at Goa, 2013. He worked as a Technical developer on PLC Programming in FAITH Corp. Japan for MITSUBISHI Projects.

Karunakar Assistant Professor in SIET, Narasapur, West Godavari, Andhra Pradesh,

holds a good academic experience in Teaching Under Graduates and Postgraduate students. He is currently pursuing Ph.D from VELTECH University, Chennai. He has published technical papers in various reputed National and International Journals and Conferences. He is certified by IIT Madras in "Programming, Data Structures and Algorithms using Python"

ANNA University Chennai



Problem Solving and Python Programming

J Jayalakshmi
Dr. D Stalin Alex
B Mahesh Prabhu

ISBN: 9789352834853

Code: 9789352834853

Price: ₹ 195 | Pages: 224

Size: 6.75" X 9.5" (Paperback)

About the Book

This textbook is based on Anna University revised syllabus regulation 2017 for first year B.E/B.tech students to understand the problem solving and python programming. This book provides the knowledge of problem solving techniques, fundamental concepts of python programming.

Key Features

- This book designed for beginners and undergraduate students to get skill and logical thinking in python programming.
- It is easy to understand and practice in a good manner.
- This book is provided with a lot of examples for all units and Anna University previous year question paper enclosed.
- Students can learn algorithmic problem solving, data, expressions, statements, control flow, functions, list, tuples, dictionaries, files, modules, packages.

Contents

1. Algorithm and Problem Solving, 2. Data, Expressions, Statements, 3. Control Flow, Functions, 4. List, Tuples, Dictionaries, 5. Files, Modules, Package

J Jayalakshmi M.E (CSE) Assistant Professor/IT department, CSI college of Engineering, Ketti Ooty

Dr. D Stalin Alex M.E,Ph.d (CSE) Associate professor/CSE department, Gurunanak institution technical campus, Hyderabad

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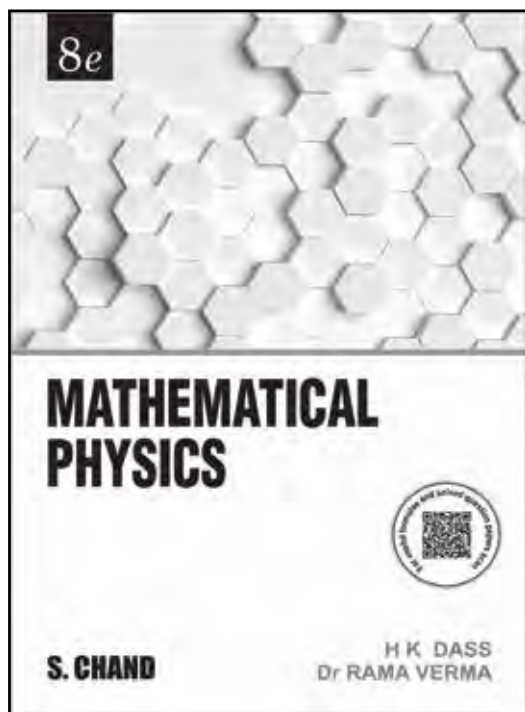
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Mathematical Physics, 8e

H K Dass & Rama Verma

About the Book

"Mathematical Physics" has been written to provide the readers a clear understanding of the mathematical concepts which are an important part of modern physics. The textbook contains 49 chapters on all major topics in an exhaustive endeavour to cover syllabuses of all major universities. Some of the important topics covered in these chapters are Vectors, Integration, Beta and Gamma Functions, Differential Equations, Complex Numbers, Matrix and Determinants, and the Laplace Transforms.

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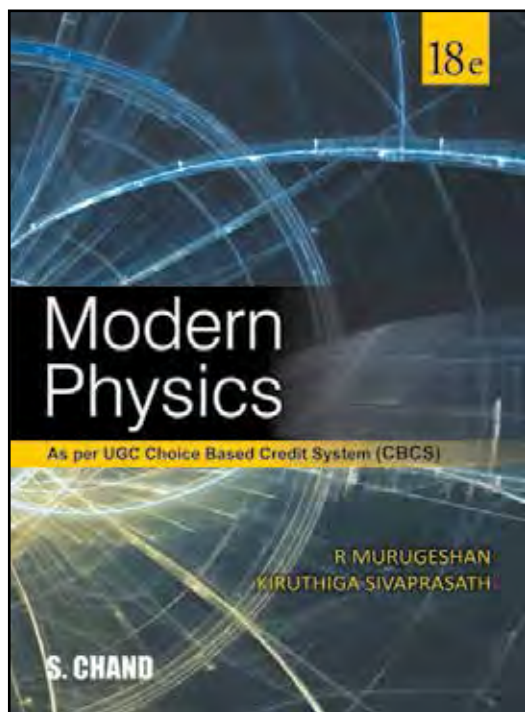
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13. Linear Differential Equations of Second Order		39. Rank of Matrix	
14. Cauchy-Euler Equations,		40. Consistency of Linear System of Equations and their Solution (Linear Dependence)	
		41. Eigen Values, Eigen Vector,	

H K Dass, MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.

Rama Verma, Head of Department - Mathematics, Mata Sundri College, University of Delhi



Modern Physics, 18e

R Murugesan & Kiruthiga Sivaprasath

About the Book

Instructor's Resource available

The eighteenth edition of this well-known textbook continues to provide a thorough understanding of the principles of modern physics. It offers a detailed presentation of important topics such as atomic physics, quantum mechanics, nuclear physics, solid state physics and electronics. The concepts are exhaustively presented with numerous examples and diagrams which would help the students in analysing and retaining the concepts in an effective manner. This textbook is a useful resource for undergraduate students and will also serve as a reference text for PG students.

Key Features

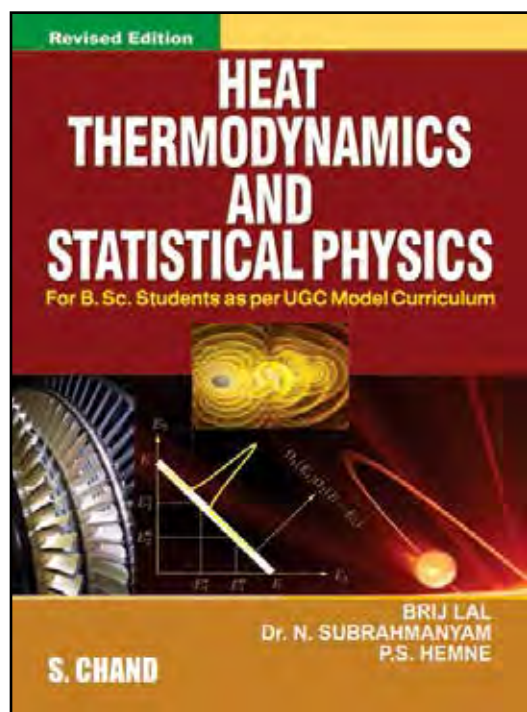
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6. Photoelectric Effect and Planck's Quantum Theory	20. Radioactivity	36. BJT Amplifiers
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8. Schrodinger Equation and its Applications	23. Cosmic Rays	39. Operational Amplifiers
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13. Perturbation Theory	27. Free Electron Theory and Band Theory	43. Statistical Mechanics
Part-IV: Molecular Physics	28. Superconductivity	44. Mathematical Physics
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	30. Magnetism	

R Murugesan, Formerly, Head of Department of Physics, Vivekananda College, Madurai.



Heat Thermodynamics and Statistical Physics

Brij Lal, N Subrahmanyam & P S Hemne

About the Book

This textbook familiarizes the students with the general laws of thermodynamics, kinetic theory & statistical physics, and their applications to physics. Conceptually strong, it is flourished with numerous figures and examples to facilitate understanding of concepts. Written primarily for B.Sc. Physics students, this textbook would also be a useful reference for students of engineering.

Key Features

- Inclusion of a chapter on Global Warming
- Over 200+ figures and 250+ examples for effective understanding of the concepts
- More than 700 questions and 180+ objective type questions to help students evaluate their understanding of the concepts



Instructor's Resource available

ISBN: 9788121928137 | Code: 1016B00334 | Price: ₹ 625 | Pages: 688 | Size: 6.75" X 9.5" (Paperback)

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9. Statistical Basis of Thermodynamics

10. Some Universal Laws in Statistical Mechanics

11. Maxwell-Boltzmann Statistics
12. Quantum Statistics

Section-IV: Heat Flow and Air Conditioning

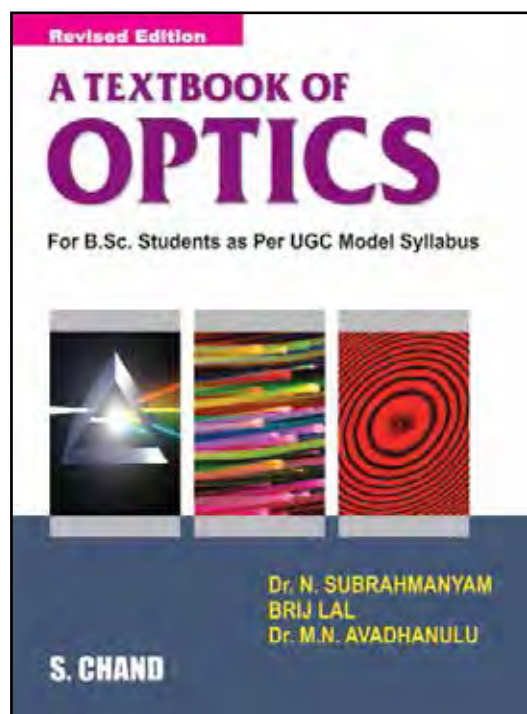
13. Thermometry
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15. Transmission of Heat
16. Change of State
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Brij Lal, Formerly Reader, Department of Physics, Hindu College, University of Delhi.

N Subrahmanyam, Formerly Reader, Department of Physics, Kirori Mal College, University of Delhi.

P S Hemne, Principal and Head - Post Graduate Department of Physics, Nevjabai Hitkarini College, Brahmapuri, Nagpur University.



A Textbook of Optics

N Subrahmanyam, Brij Lal & M N Avadhanulu

About the Book

This textbook has been designed to provide necessary foundation in optics which would not only acquaint the student with the subject but would also prepare for an intensive study of advanced topics in optics at a later stage. With an emphasis on concepts, mathematical derivations have been kept at the minimum. This textbook has been primarily written for undergraduate students of B.Sc. Physics and would also be a useful resource for aspirants appearing for competitive examinations.

Key Features

- Comprehensively revised chapters - Polarization (Chapter 20) and Holography (Chapter 23).
- Over 600+ figures and numerous images throughout the text for effective understanding of the concepts
- Close to 500 theoretical questions and 150+ practical problems to test understanding of the concepts



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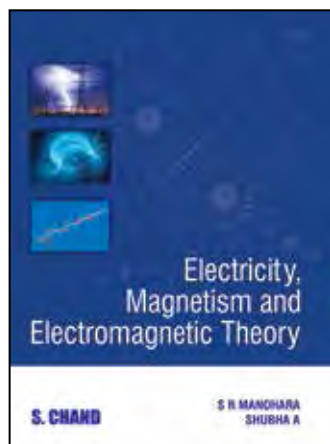
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N Subrahmanyam, Formerly Professor, Department of Physics, Kirori Mal College, University of Delhi, New Delhi.

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Electricity, Magnetism and Electromagnetic Theory

S R Manohara & Shubha A

About the Book

Electricity, Magnetism and Electromagnetic Theory has been designed to meet the needs of BSc (Physics) students as per the UGC Choice Based Credit System. This textbook provides a thorough understanding of the fundamental concepts of electricity, magnetism and electromagnetic theory. Having a problem-solving approach, it covers the entire spectrum of the subject with discussion on topics such as electrostatics, magnetostatics, electromagnetic induction, Maxwell's equations and electromagnetic wave propagation. The concepts are exhaustively presented with numerous examples and figures/diagrams which would help the students in analysing and retaining the concepts in an effective manner.

Key Features

- Based on SI units with vector treatment throughout the text
- Coverage on important topics such as energy per unit volume in electrostatic field, energy density in electromagnetic field, transverse nature of EM waves and polarisation of EM waves
- In-depth discussion on topics such as electric field due to spherical shell using Gauss' law, potential due to uniformly charged spherical shell & solid sphere, boundary conditions in electrostatics & magnetostatics and EM wave propagation through vacuum & isotropic dielectric medium
- Over 200+ illustrative figures/diagrams and close to 175 step-by-step solved examples for a strong conceptual understanding of the concepts
- More than 300 multiple choice questions, about 300 short & long answer questions and close to 140 numerical problems to test and strengthen students' understanding of the concepts.

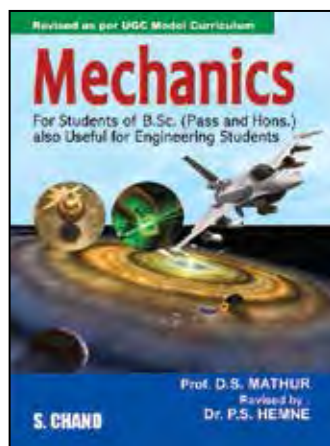
ISBN: 9789352834402 | Code: 9789352834402 | Price: ₹ 375 | Pages: 456 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Vector Analysis, 2. Electrostatic Field, 3. Electric Potential, 4. Conductors and Dielectrics, 5. Steady Magnetic Field, 6. Magnetic Fields and Forces, 7. Magnetic Properties of Materials, 8. Electromagnetic Induction, 9. Maxwell's Equations, 10. Electromagnetic Wave Propagation

S R Manohara, PhD, is Associate Professor in the Department of Physics, Siddaganga Institute of Technology, Tumakuru, Karnataka.

Shubha A is a Research Scholar, pursuing PhD at Department of Physics, Siddaganga Institute of Technology, Tumakuru.



Mechanics

D S Mathur & P S Hemne

About the Book

The book presents a comprehensive study of important topics in Mechanics of pure and applied sciences. It provides knowledge of scalar and vector in optimum depth to make the students understand the concepts of Mechanics in simple, coherent and lucid manner and grasp its principles & theory. It caters to the requirements of students of B.Sc. Pass and Honours courses. Students of engineering disciplines and the ones aspiring for competitive exams such as AIME and others, will also find it useful for their preparations.

Key Features

- Large number of article-wise solved examples based on SI units at chapter end to enable students understand each article well
- Solved and unsolved problems for better comprehension and grasp of concepts

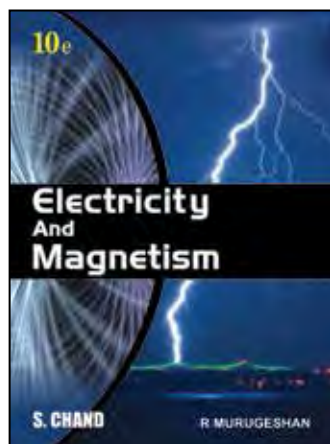
ISBN: 9788121905992 | Code: 1016C00063 | Price: ₹ 625 | Pages: 848 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Mathematical Background: Scalars and Vectors, 2. Newton's Laws of Motion – Reference Frames, 3. Relativity, 4. Non-Relativistic Particle Dynamics, 5. Conservation Laws (Part I: Law of Conservation of Energy), 6. Conservation Laws (Part II: Linear and Angular Momentum), 7. Simple Harmonic Motion, 8. Damped and Driven Harmonic Oscillators, 9. Coupled Oscillators, 10. Wave Motion, 11. Dynamics of Rigid Bodies, 12. Gravitation: Field and Potentials, 13. Elasticity, 14. Bending of Beams – Columns, 15. Fluid Mechanics – Viscosity, 16. Production and Measurement of low pressure (Pumps and Gauges)

D S Mathur, Formerly Head of Department - Physics, Hindu College, University of Delhi.

P S Hemne, Principal and Head of Postgraduate Department of Physics, Nevjabhai Hitkarini College, Bramhapuri, Nagpur.



Electricity and Magnetism, 10e

R Murugesan

About the Book

This tenth, extensively revised edition of *Electricity and Magnetism* continues to provide students a detailed presentation of the fundamental principles, synthesis and physical interpretation of electric & magnetic fields. It follows full vector treatment in discussing topics such as electrostatics, magnetostatics, DC circuits, AC circuits, electrodynamics and electromagnetic waves. While retaining its modern outlook to the subject, this new edition has been revised as per the latest syllabi of various universities. Students pursuing B.Sc. Physics course would find this textbook extremely useful.

Key Features

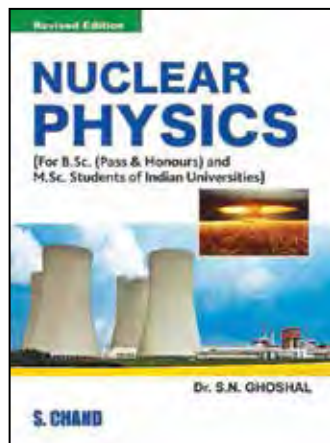
- Increased coverage on Magnetism discussing topics such as Diamagnetism, Paramagnetism, Ferromagnetism, Weiss Modification and Domain theory of Ferromagnetism
- Significant revision of the chapter on Dielectrics, expanding coverage on topics such as Polarization and derivation of Clausius-Mossotti equation
- More than 500 figures to help students visualize and understand the different electromagnetic phenomena
- Close to 300 chapter-end questions to help students comprehend and assess their understanding of the concepts

ISBN: 9789352534319 | Code: 9789352534319 | Price: ₹ 450 | Pages: 488 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Electric Charges and Fields, 2. Gauss's Law and its Applications, 3. Electric Potential, 4. Capacitors and Electrometers, 5. Dielectrics, 6. Steady Currents, 7. Motion of Charged Particles in Electric and Magnetic Fields, 8. Thermo-electricity, 9. Chemical Effect of Electric Current, 10. Magneto statics (Magnetic Effect of Electric Current), 11. Electromagnetic Induction, 12. Transient Currents (Varying Currents), 13. Alternating Current, 14. Magnetic Properties of Materials, 15. Maxwell's Equations and Electromagnetic Waves • Index

R Murugesan, Formerly, Head of Department of Physics, Vivekananda College, Madurai.



Nuclear Physics

S N Ghoshal

About the Book

This well-written text discusses the principles and concepts of Nuclear Physics in a simple and easy-to-understand language. It discusses the structure and properties of atomic nucleus, radioactivity, nuclear radiations, nuclear models, nuclear reactions and accelerators of charged particles. The book also discusses nuclear forces & two-body problem, elementary particles and cosmic rays. It would be extremely useful for undergraduate and postgraduate students of Physics.

Key Features

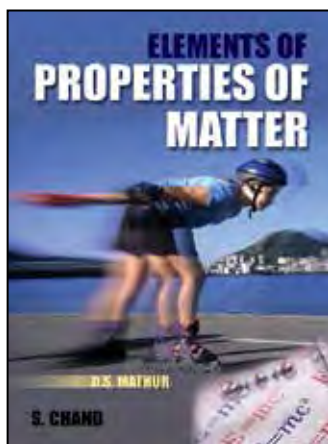
- Increased coverage on topics such as colour charge and the introductory ideals of quantum chromodynamics
- Updated chapter on Nuclear Models
- Inclusion of numerical problems at the end of each chapter for rigorous practice

ISBN: 9788121904131 | Code: 1016B00187 | Price: ₹ 650 | Pages: 864 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Rutherford Scattering of Alpha Particles and the Nuclear Model of the Atom, 2. Nuclear Structure and General Properties of Nuclei, 3. Radioactivity, 4. Alpha Particles and Alpha Radioactivity, 5. Beta Particles and Beta Activity, 6. Gamma Rays, 7. Detection of Nuclear Radiations and Their Measurement, 8. Determination of Some Nuclear Properties, 9. Nuclear Models, 10. Nuclear Reactions (I), 11. Nuclear Reactions (II), 12. Accelerators of Charged Particles, 13. Neutrons and Neutron Physics, 14. Nuclear Fission and Nuclear Fusion, 15. Peaceful use of Nuclear Energy, 16. Transuranic and other Artificially Produced Elements, 17. Nuclear Forces and Two-Body Problem, 18. Elementary Particles, 19. Cosmic Rays • Appendices: I. Electric Quadrupole Moment, II. Theory of Sector Focused Cyclotrons, III. Theory of Alternating Gradient (AG) Focusing using Quadrupole Lens Systems, IV. Derivation of Rarita-Schwinger Equation, V. Vector Addition of Angular Momenta: Clebsch Gordan Coefficients, VI. Theory of Geomagnetic Effects of the Cosmic Rays, VII. Some Fundamental Constants, VIII. Modification Long Form Periodic Table (1984 IUPAC), IX. Properties of Stable Isotopes, X. Table of Elementary Particles • Index

S N Ghoshal, M.Sc., Ph.D., Formerly Principal, Presidency College, Kolkata.



Elements of Properties of Matter

D S Mathur

About the Book

The book is a comprehensive work on Properties of Matter which introduces the students to the fundamentals of the subject. It adopts a unique 'ab initio' approach to the presentation of matter- solids, liquids and gasses- with extensive usage of Calculus throughout the book. For each topic, the focus is on optimum blend of theory as well as practical application. Examples and extensive exercises solved with the logarithms reinforce the concepts and stimulate the desire among users to test how far they have grasped and imbibed the basic principles. It primarily caters to the undergraduate courses offered in Indian universities.

Key Features

- A new chapter on "The Special Theory of Relativity"
- Nearly 200 "Worked out examples" and exercises at the end of each chapter comprising questions from various university examinations

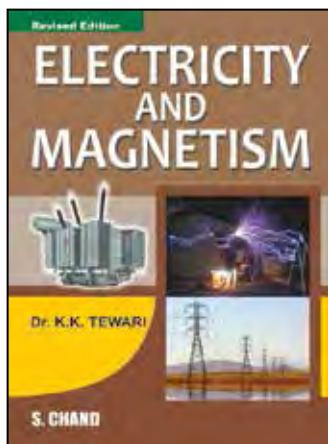
- More than 400 numericals at the end of each chapter to test understanding of the concepts
- Eight Appendices as ready reckoner for basic information on properties of matter and Logarithmic and Antilogarithmic table at book end for the ease of the beginners

ISBN: 9788121908153 | Code: 1016B00062 | Price: ₹ 495 | Pages: 592 | Size: 6.75" X 9.5" (Paperback)

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1. Unit and Dimensions, 2. Motion along a Curve – The Projectile, 3. Moment of Inertia – Gyroscopic Motion, 4. Simple Harmonic Motion, 5. Measurement of Mass – The Balance, 6. Acceleration due to Gravity, 7. Gravitation, 8. Elasticity, 9. Hydrostatics, 10. Jet Planes, Rockets and Satellites, 11. Friction and Lubrication – Principle of Virtual work and Its Simple Applications, 12. Flow of Liquids – Viscosity, 13. Diffusion and Osmosis, 14. Surface Tension – Capillarity, 15. Gases – Kinetic Theory, 16. Special Theory of Relativity • *Appendices: Tables of Constants • Logarithmic and Antilogarithmic Tables*

D S Mathur, Formerly Head of Department - Physics, Hindu College, University of Delhi.



Electricity and Magnetism

K K Tewari

About the Book

Electricity & Magnetism has been written with an emphasis on basic physics with some instructive, stimulating and useful application. Written purely in SI units, with a complete vector treatment, this book would be extremely useful for the students of B.Sc. Physics and Engineering.

Key Features

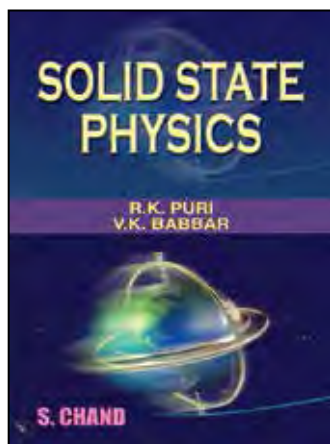
- Physical approach in treatment of polarization and magnetisation
- More than 350 figures for better understanding of the concepts
- Over 200 review questions, 100+ problems and 200+ MCQs to test understanding of the concepts

ISBN: 9788121906678 | Code: 1016C00175 | Price: ₹ 450 | Pages: 656 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Units and Dimensions, 2. Vector Analysis (Algebra), 3. Vector Differentiation and Integration, 4. Electrostatics: Electric Field, 5. Electrostatics— Electric Potential, 6. Capacitors and Dielectrics, 7. Electrometers and Electrostatics Machines, 8. Steady Current, 9. Magnetostatics, 10. The Magnetic Field Due to Steady Currents, 11. Electromagnetic Induction, 12. Practical Applications of Electromagnetic Induction, 13. Dynamics of Charged Particles, 14. Magnetic Properties of Matter, 15. Maxwell's Equations and Electromagnetic Theory, 16. Alternating Currents, 17. Transformers and A.C. Bridges, 18. Circuit Analysis • *Appendices: 1. Some Fundamental and Derived Constants, 2. Symbols, Dimensions and Units of Electrical and Magnetic Quantities • Source Books • Index*

K K Tewari, Formerly Principal, VSSD College, Kanpur and Ex-Reader, Department of Physics, DAV College, Kanpur.



Solid State Physics

R K Puri & V K Babbar

About the Book

This book presents a comprehensive introduction to *Solid State Physics* for undergraduate students of pure and applied sciences and engineering disciplines. It acquaints the students with the fundamental properties of solids starting from their properties. The coverage of basic topics is developed in terms of simple physical phenomenon supplemented with theoretical derivations and relevant models which provides strong grasp of the fundamental principles of physics in solids in a concise and self-explanatory manner.

Key Features

- Discusses interaction of electrons, phonons and atoms in solids based both on classical laws and elements of quantum mechanics
- Rich pedagogy comprising review questions, solved and unsolved problems, chapter summary for quick review
- SI system throughout the book with their conversions to other practical units for easy comprehension of concepts

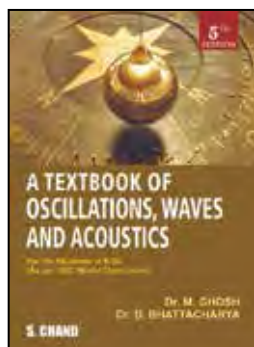
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Contents

1. Crystal Structure, 2. X-Ray Diffraction and Reciprocal Lattice, 3. Bonding in Solids, 4. Lattice Vibrations, 5. Free Electron Theory of Metals, 6. Band Theory of Solids, 7. Semiconductors, 8. Magnetism in Solids, 9. Dielectric Properties of Solids, 10. Superconductivity • *Appendix-I: Table of Physical Constants and Conversion Factors Index • References • Index*

R K Puri, Formerly Professor, Department of Physics, Indian Institute of Technology, New Delhi.

V K Babbar, Formerly Lecturer, Department of Physics, Guru Nanak Dev University, Amritsar.



A Textbook of Oscillations, Waves and Acoustics, 5e

M Ghosh & D Bhattacharya

ISBN: 9789385676154

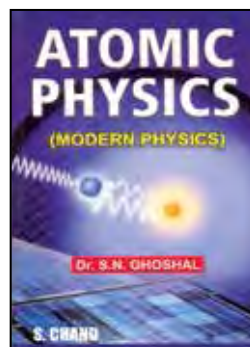
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Contents

1. Sound and its Character, 2. Simple Harmonic Motion, 3. Free, Damped and Forced Vibration, 4. Coupled Vibration, 5. Fourier Analysis, 6. Anharmonic (Asymmetric) Vibration and Combinational Tones, 7. Wave Motion, 8. Reflection, Refraction, Interference, Diffraction, Stationary Wave, Beats, Phase Velocity and Group Velocity, Doppler Effect, 9. Velocity of Acoustic Waves (Longitudinal and Transverse Wave), 10. Transverse Vibration of Stretched String and Stringed Musical Instruments, 11. Vibration of a Bar, 12. Vibration of Membranes and Plates, 13. Vibration of Air Column, 14. Heat Maintained Sound, 15. Velocity of Sound and its Measurements, 16. Frequency and its Measurement, 17. Intensity and its Measurement, 18. Speech and Hearing, 19. Musical Sound, 20. Microphones and Loud Speakers, 21. Recording of Sound and Reproduction, 22. Shock Waves – Explosive Sound, 23. Ultrasonics, 24. Architectural Acoustics, 25. Electrical Analogy of Acoustic Vibration, 26. Introduction • *Index • Useful Physical Constants with Unit Prefixes, and Energy Conservation*



Atomic Physics

S N Ghoshal

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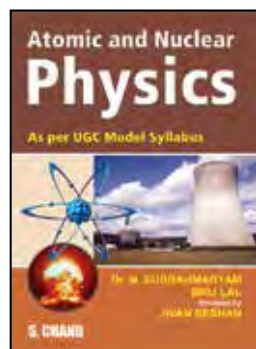
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Contents

1. Atomic Structure of Matter, 2. Cathode Rays and Positive Rays, 3. Origin of Quantum Theory: Planck's Theory of Black Body Radiation, 4. Structure of the Hydrogen – like Atoms: Bohr- Sommerfeld Theory, 5. Emission of Electronic from Metal Surface: Photoelectric and the Thermionic Effects, 6. Alkali Spectra, Space Quantization, Electron Spin: Periodic Classification of Elements, 7. Laser, 8. X-Rays, 9. Wave Particle Duality: Heisenberg's Uncertainty Principle, 10. Introduction to Wave Mechanics, 11. Solutions of Schrodinger Equation in some Simple Cases, 12. Approximate Methods in Quantum Mechanics, 13. Quantum Mechanical Theory of Atomic Structure, 14. Atoms in Radiation Field, 15. Special Theory of Relativity, 16. Molecular Spectra, 17. Structure and Properties of Solids, 18. Metals and Semi-Conductors, 19. Magnetic Properties of Solids, 20. Statistical Mechanics • *Appendices: I. Hermite Polynomials, II. Legendre Polynomials and Associated Legendre, III. Spherical Harmonics, IV. Laguerre Polynomials and Associated Laguerre Functions, V. List of Hydrogenic Total Wave Functions, VI. Table of Important Physical Constants, VII. Periodic Table of Elements, VIII. Evaluation of the Integrals in the Calculation of the Ground State Energy of Helium, IX. Hamiltonian of a Charged Particle in an Electromagnetic Field, X. Pauli's Theory of Spin, XI. Dirac's Theory of the Relativistic Electron • Index*



Atomic and Nuclear Physics

N Subrahmaniyam,
Brij Lal & Jivan Seshan

ISBN: 9788121904148

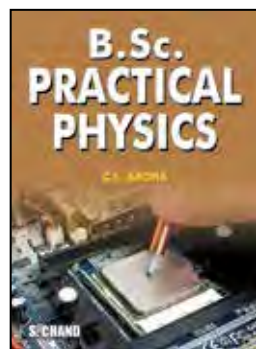
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Contents

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B.Sc. Practical Physics

C L Arora

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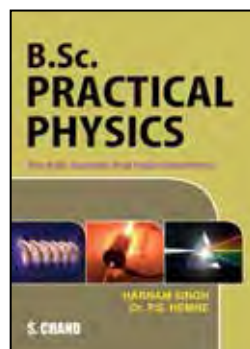
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Contents

Introduction, 1. Units, Errors and Graphs, 2. Measurement of Length, Mass and Time Part-I: Mechanics and Properties of Matter: 3. Moment of Inertia, 4. Acceleration due to Gravity, 5. Elastic Constants, 6. Surface Tension and Viscosity, 7. One Dimensional Collisions, Part-II: Heat and Statistical Physics: 8. Expansion of Gases, 9. Thermal Conductivity, 10. Mechanical Equivalent of Heat, 11. Introduction to Theory of Probability, Part-III: Optics: 12. Focal Length of Lenses, 13. Magnifying Power and Resolving Power of a Telescope, 14. Sextant, 15. Photometry, 16. Spectrometer, 17. Interference, 18. Diffraction, 19. Polarisation, Part-IV: Sound: 20. Vibrations of Stretched Strings, 21. Kundt's Tube, 22. Ultrasonic, Part-V: Magnetism: 23. Magnetic Measurement, Part-VI: Electricity: 24. Electrical Instruments, 25. Magnetic Effects, 26. Measurement of Resistance, 27. Measurement of High Resistance, 28. Measurement of Low Resistance, 29. Electrolysis, 30. Thermocouples, 31. Ballistic Galvanometer and Magnetic Field, 32. Capacitance, 33. Electromagnetic Induction, 34. Alternating Currents 35. Multimeter, Part-VII: Atomic, Molecular and Nuclear Physics: 36. Measurement of e/m and Electronic Charge, 37. Ionisation Potential of Mercury, 38. Photoelectric Effect, 39. Geiger Mueller Counter, 40. Radioactivity, 41. Laser, 42. Cathode Ray Oscilloscope, 43. R.C Circuit, 44. Magnetic Properties of Materials, Part-VIII: Solid State Physics and Electronics: 45. Thermionic Emission, 46. Thermionic Valves, 47. Semi-Conductor Diode, 48. Thermistor, 49. Band Gap of Semi-Conductors, 50. Rectifiers and Filters, 51. Transistors, 52. Field Effect Transistor, 53. Oscillators, 54. Transistor Amplifiers, 55. Voltage Multiplier, 56. Silicon Controlled Rectifier, 57. Radio Transmission and Reception, 58. Operational Amplifiers, Part-IX: Additional Experiments: 59. Thermal Expansion of Crystals, 60. Adiabatic Expansion of a Gas, 61. Total Radiation Law, 62. Principal Points of a Lens System, 63. Absorption Spectra of Iodine, 64. Divergence and Wavelength of Laser, 65. Interference, 66. Damped Oscillator, 67. Efficiency of an Electric Device, 68. Magnetic Susceptibility, 69. Logic Circuits, Part X: List of

Experiments for Punjab Technical University: 70. Polarisation of a Dielectric, 71. Michelson's Interferometer, 72. Characteristics of Rectangular Wave Guide, 73. Fibre Optics • Tables of Constants • Logarithmic Tables



B.Sc. Practical Physics

Harnam Singh &
P S Hemne

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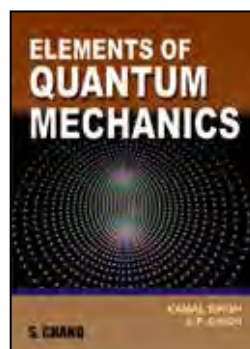
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Contents

• Introduction: 1. First Step in Physics Laboratory, 2. Errors Analysis and Graph Drawing, Section-I: Properties of Matter: 3. Mechanics and Oscillations, 4. Moment of Inertia, 5. Elastic Constants, 6. Surface Tension and Viscosity, Section-II: Heat, Thermodynamics and Statistical Physics: 7. Kinetic Theory, 8. Thermal Conductivity, 9. Specific Heat Capacities of Solids, Liquid and Gases, 10. Statistical Physics, Section-III: Waves and Acoustics: 11. Vibrations of Stretched Strings, 12. Acoustics, 13. Ultrasonics, Section-IV: Geometric Optics (Ray Optics): 14. Mirror and Lenses, 15. Refraction, 16. Telescopes and Microscope, Section-V: Physical Optics (Wave Optics): 17. Interference, 18. Diffraction 19. Polarization, 20. Photometry and Some Miscellaneous Experiments, Section-VI: Electricity: 21. Accumulators and Resistance Thermometry, 22. Direct Current (DC) Instruments, 23. Chemical Effects of a Current, 24. Ballistic Galvanometer and Potentiometer, 25. Transient Currents, 26. Network Theorems, 27. Thermo-EMF Thermometry, 28. Alternating Currents (A.C.) Measurements, 29. A.C. Bridges, 30. CRO and its Use, Section-VII: Magnetism: 31. Measurement of Magnetic Properties, Section-VIII: Modern Physics: 32. Solid-State Physics, 33. Atomic Physics, 34. Quantum Mechanics, 35. Laser, Section-IX: Linear Electronics: 36. Thermionic Emission, 37. Semiconductor Diodes and Power Supply, 38. Transistors, 39. FET and SCR, 40. Oscillators, 41. Operational and Amplifiers and Analog Techniques, Section-X: Digital Electronics: 42. Logic States, 43. Flip-Flops and Registers, 44. Experiments in 'C' Language (As per UGC Curriculum) Computer Programming • Appendices: A. From Viva-Voca Point of View, B. Nuclear Power Plant, C. Vacuum Technique, D. Production of Low Temperatures, E. Low Temperature Work, F. Technique of Dating • Physical Constants • Mathematical Tables



Elements of Quantum Mechanics

Kamal Singh & S P Singh

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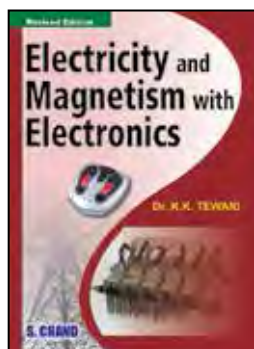
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1. Origin of Quantum Theory, 2. Wave Properties of Matter, 3. Heisenberg's Uncertainty Principle, 4. Schrodinger's Wave Equation, 5. Application of Quantum Mechanics, 6. The Hydrogen Atom, 7. Electron Spin • Appendices: 1. Relation between Relativistic Energy E and Relativistic Momentum p for a particle, 2. Some Physical Constants and Units, 3. Probability Current Density • Index



Electricity and Magnetism with Electronics

K K Tewari

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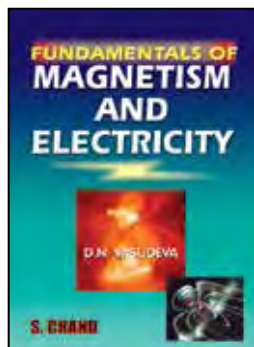
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Contents

1. Units & Dimensions, 2. Vector Analysis (Algebra), 3. Vector Differentiation & Integration, 4. Electrostatics: Electric Field, 5. Electrostatics—Electric Potential, 6. Capacitors and Dielectrics, 7. Electrometers and Electrostatics Machines, 8. Steady Current, 9. Magnetostatics, 10. The Magnetic Field Due to Steady Currents, 11. Electromagnetic Induction, 12. Practical Applications of Electromagnetic Induction, 13. Dynamics of Charged Particles, 14. Magnetic Properties of Matter, 15. Maxwell's Equations and Electromagnetic Theory, 16. Alternating Currents, 17. Transformers and A.C. Bridges, 18. Circuit Analysis, 19. Electron Emission and Vacuum Tubes, 20. Semi-Conductor Devices, 21. Rectifiers, 22. Amplifiers, 23. Oscillators, 24. Modulators and Detectors • *Appendices: 1. Some fundamental and Derived Constants, 2. Symbols, Dimensions and Units of Electrical and Magnetic Quantities • Source Books • Index*



Fundamentals of Magnetism and Electricity

D N Vasudeva

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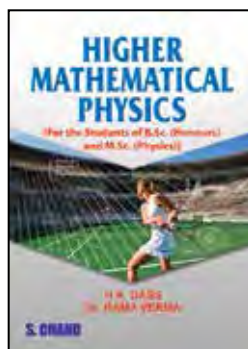
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Higher Mathematical Physics

H K Dass & Rama Verma

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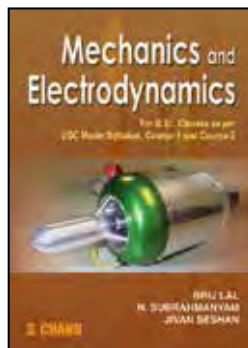
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Contents

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Mechanics and Electrodynamics

Brij Lal, N Subrahmanyam & Jivan Seshan

ISBN: 9788121925914

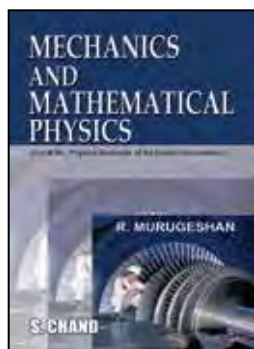
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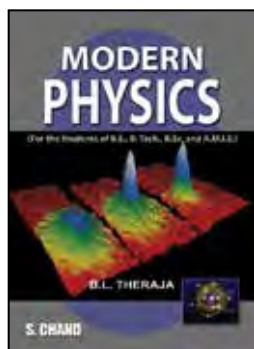
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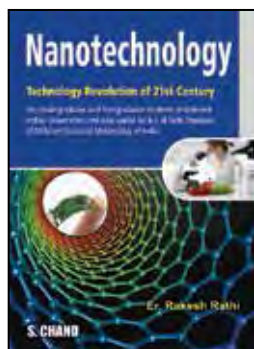
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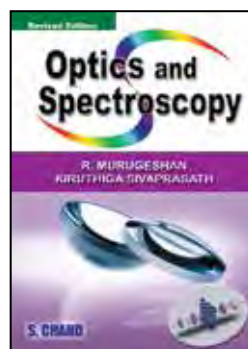
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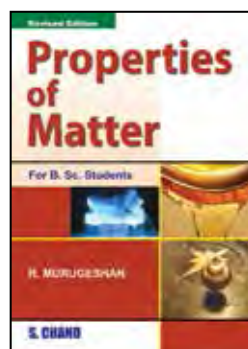
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R Murugesan

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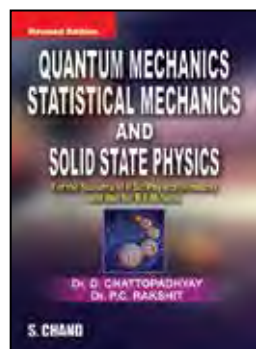
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D Chattopadhyay &
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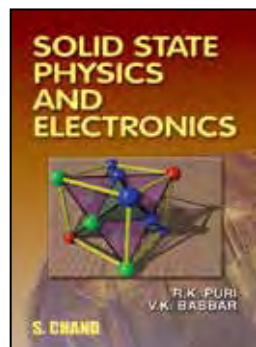
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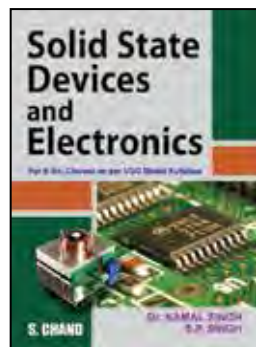
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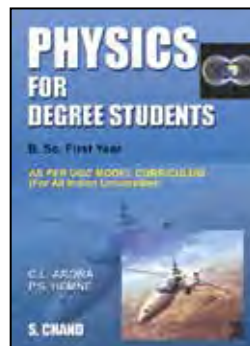
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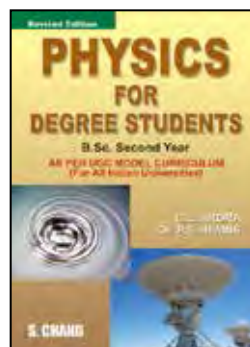
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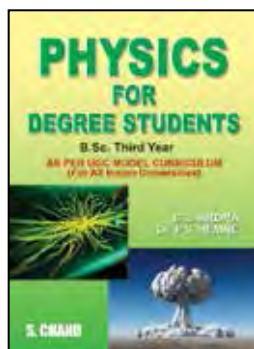
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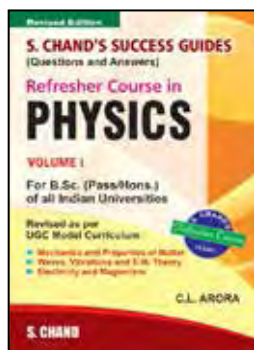
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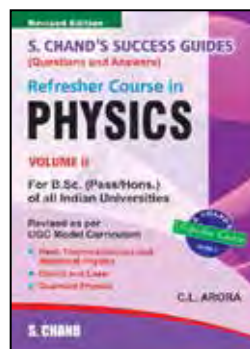
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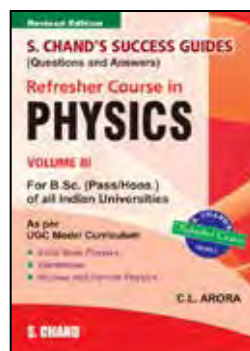
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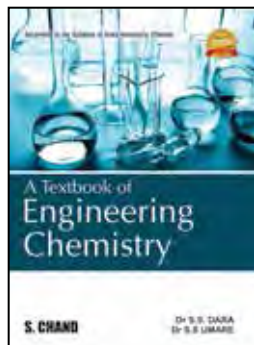
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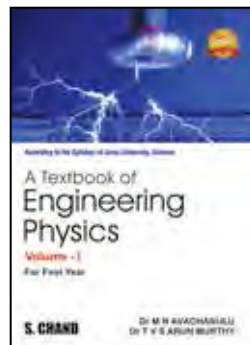
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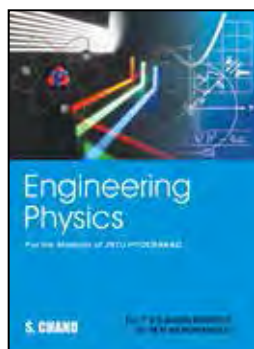
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Contents

1. Properties of Matter, 2. Waves and Fiber Optics, 3. Thermal Physics, 4. Quantum Physics, 5. Crystal Physics, 6. Glossary

Dr. M N Avadhanulu, initiated research on liquid crystals for the first time in the physics department of Andhra University in 1965 and obtained his Ph. D. in 1973. In 1976, he joined Central Electronics Ltd., Sahibabad in the LCD Division. He migrated to teaching profession in 1986 and joined the Kavikulguru Institute of Technology and Science, Maharashtra.

Dr. T V S Arun Murthy, Principal NOVA college of Engineering and Technology, Vijayawada has more than two decades of teaching experience. He has authored a textbook on 'Electromagnetic Fields' published by S. Chand & Company which is prescribed as text and reference book across India. He has published 28 research papers in international journals.



Engineering Physics

Dr. T V S Arun Murthy
Dr. M N Avadhanulu

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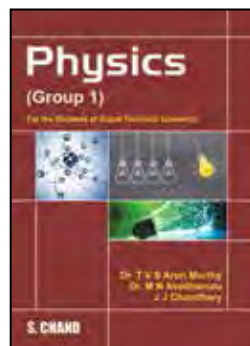
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Dr. TVS Arun Murthy obtained Ph.D. in 1991 and has more than twenty-five years of teaching and administrative experience. He has authored a textbook on 'Electromagnetic Fields' published by S Chand & Company which is prescribed as text and reference book across India. He is a co-author of book "Engineering Physics" and "Applied Physics" written according to the syllabus of JNTUK, Kakinada. He has published 28 research papers in refereed International and National journals and attended 14 conferences and seminars at National and International level. He was convener of two National level seminars and edited the proceedings of National Seminar on 'Renewable Energy Sources and other Technologies for Rural Development' sponsored by MNES, Govt. of India.

Dr. M.N. Avadhanulu initiated research on liquid crystals for the first time in Physics department of Andhra University in 1965 and obtained Ph.D. in 1973. In 1976, he joined Central Electronics Ltd (CEL), Sahibabad in the LCD division. He migrated to teaching profession in 1986 and joined Kavikulguru Institute of Technology and Science, Ramtek, Maharashtra. He occupied number of administrative posts in the institute such as HOD, Dean (student affairs) and Dean (academic affairs). He was elected and served as member of board of studies in Applied Sciences and Humanities under the faculty of Engg. & Tech, Nagpur University during 1991-1994 and was instrumental in modernizing the syllabus of Applied Physics for B.E. He has implemented number of innovative teaching methods to improve the appreciation of Physics by the Engineering students. He has written books for Engineering and Science Graduates as per the prescribed syllabus.

Books for Gujarat Technical



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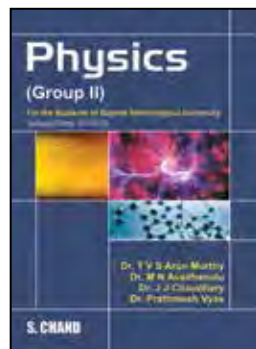
1. Properties of Matter, 2. Waves, Motion and Acoustics, 3. Ultrasonic and Non-Destructive Testing, 4. Three Phase Circuits Superconductivity, 5. Lasers

Dr. T V S Arun Murthy obtained Ph.D. in 1991 and has more than twenty-five years of teaching and administrative experience. He has authored a textbook on 'Electromagnetic Fields' published by S Chand And Company which is prescribed as text and reference book across India. He is a co-author of book "Engineering Physics" and "Applied Physics" written according to the syllabus of JNTU, Kakinada. He has published 28 research papers in refereed international and national journals and attended 14 conferences and seminars at national and international level. He was convener of two national level seminars and edited the proceedings of National Seminar on 'Renewable Energy Sources and other Technologies for Rural Development' sponsored by MNES, Govt. of India.

Dr. M N Avadhanulu, initiated research on liquid crystals for the first time in the physics

department of Andhra University in 1965 and obtained his Ph. D. in 1973. In 1976, he joined Central Electronics Ltd., Sahibabad in the LCD Division. He migrated to teaching profession in 1986 and joined the Kavikulguru Institute of Technology and Science, Maharashtra.

Dr. J. J. Chaudhari M.Sc. (Physics), Ph.D. Assistant professor (Physics), Science and Humanity Department Vishwakarma Government Engineering College, Chandkheda, Ahmedabad, Gujarat, India.



Physics Group II

Dr. T V S Arun Murthy
Dr. M N Avadhanulu
Dr. J J Chaudhary
Dr. Prathmesh Vyas

ISBN: 9789352836338

Code: 9789352836338

Price: ₹ 150 | Pages: 184

Size: 6.75" X 9.5" (Paperback)

About the Book

This book Physics Group II is for B.Tech and BE students of Gujarat Technological University (GTU). The book covers all the topics mentioned in the latest syllabus. It would serve as a distinct single source where the requirements of the students are given top priority and the material is molded in a student-friendly style. The philosophy of presentation of the material in the book is based upon decades of classroom interactions. In each chapter, the fundamental concepts pertinent to the topic are highlighted and the in-between continuity is emphasized. The book satisfies the thirst of the inquisitive student and at the same time, it provides material to such students whose main concern is about getting through the examinations. Throughout the book attention is given to the proper presentation of concepts and practical applications are cited to highlight the technological aspects. Key terms and Objective questions both multiple choices and fill up the blanks along with answers are included at the end of each chapter. Review questions are given to provide the student an idea of likely questions that appear in examinations. Worked out examples are included in the text in order to expedite the learning process of students of all hues.

Key Features

- The requirements of the students are given top priority and the material is molded in a student-friendly style.
- The philosophy of presentation of the material in the book is based upon decades of classroom interactions.
- Throughout the book attention is given to the proper presentation of concepts and practical applications are cited to highlight the technological aspects.
- Key terms and Objective questions both multiple choices and fill up the blanks along with answers are included at the end of each chapter.
- Review questions are given to provide the student an idea of likely questions that appear in examinations. Worked out examples are included in the text in order to expedite the learning process of students of all hues.

Contents

1. Electronic Materials, 2. Semiconductors, 3. Light-Semiconductor Interaction, 4. Measurements, 5. Superconductivity

Dr. TVS Arun Murthy obtained Ph.D. in 1991 and has more than twenty-five years of teaching and administrative experience. He has authored a text book on 'Electromagnetic Fields' published by S Chand And Company which is prescribed as text and reference book across India. He is a co-author of book "Engineering Physics" and "Applied Physics" written according to the syllabus of JNTU, Kakinada. He has published 28 research papers in refereed international and national journals and attended 14

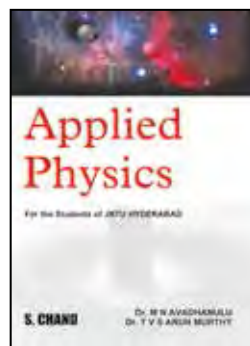
conferences and seminars at national and international level. He was convener of two national level seminars and edited the proceedings of National Seminar on 'Renewable Energy Sources and other Technologies for Rural Development' sponsored by MNES, Govt. of India.

Dr. M.N. Avadhanulu initiated research on liquid crystals for the first time in Physics department of Andhra University in 1965 and obtained Ph.D. in 1973. In 1976, he joined Central Electronics Ltd (CEL), Sahibabad in the LCD division. He migrated to teaching profession in 1986 and joined Kavikulguru Institute of Technology and Science, Ramtek, Maharashtra. He occupied number of administrative posts in the institute such as HOD, Dean (student affairs) and Dean (academic affairs). He was elected and served as member of board of studies in Applied Sciences and Humanities under the faculty of Engg. & Tech, Nagpur University during 1991-1994 and was instrumental in modernizing the syllabus of Applied Physics for B.E. He has implemented number of innovative teaching methods to improve the appreciation of Physics by the Engineering students. He has written books for Engineering and Science Graduates as per the prescribed syllabus.

Dr. J. J. Chaudhary M.Sc. (Physics), Ph.D. Assistant professor (Physics), Science and Humanity Department Vishwakarma Government Engineering College, Chandkheda, Ahmedabad, Gujarat, India.

Dr. Prathmesh Vyas (BE First Year Coordinator) Assistant Professor in Physics, Sarvajani College of Engineering and Technology (SCET), Dr. R. K. Desai Marg, Athwalines, Surat, Gujarat, India.

Book for JNTU Hyderabad



Applied Physics

Dr. M N Avadhanulu
Dr. T V S Arun Murthy

ISBN: 9789352834860

Code: 9789352834860

Price: ₹ 230 | Pages: 256

Size: 6.75" X 9.5" (Paperback)

About the Book

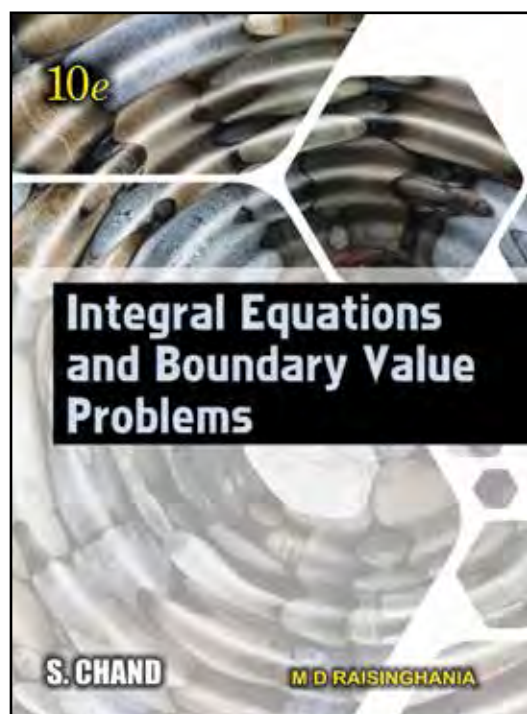
This book covers all the topics mentioned in the latest syllabus. It would serve as a distinct single source where the requirements of the students are given top priority and the material is moulded in a student-friendly style. The presentation of the material in this book is based upon decades of classroom interaction. This book will assist the student in learning the principles of Physics more effectively.

Key Features

- The fundamental concepts pertinent to the topic are highlighted and the in-between continuity is emphasized.
- The proper presentation of concepts and practical applications are cited to highlight the technological aspects.
- Key terms and objective questions both multiple choices and fill up the blanks along with answers.
- Review questions are given to provide the student an idea of likely questions that appear in examinations.
- Worked out examples are included in the text in order to expedite the learning process of students.

Contents

1. Quantum Mechanics, 2. Semiconductor Physics, 3. Optoelectronics, 4. Lasers and Fiber Optics, 5. Electromagnetism and Magnetic Properties of Materials.



Integral Equations and Boundary Value Problems, 10e

M D Raisinghania

About the Book

The tenth edition of Integral Equations and Boundary Value Problems continues to offer an in-depth presentation of integral equations for the solution of boundary value problems. The book provides a plethora of examples and step-by-step presentation of definitions, proofs of the standard results and theorems which enhance students' problem-solving skills. Solved examples and numerous problems with hints and answers have been carefully chosen, classified in various types and methods, and presented to illustrate the concepts discussed. With the author's vast experience of teaching mathematics, his approach of providing a one-stop solution to the students' problems is engaging which goes a long way for the reader to retain the knowledge gained. This book has been specifically designed for postgraduate students of Mathematics and Physics. It would also be equally useful for undergraduate students of applied mathematics as well as for the aspirants of GATE, CSIR-UGC (NET/JRF), SLET and other competitive examinations.

Key Features

- Thorough revision of chapters on Integral Transform Methods, Applications of Integral Equations and Green's Function to Ordinary Differential Equations and Applications of Integral Equations to Partial Differential Equations as per the latest curriculum requirements

- Latest questions from various universities, GATE (2006-2020) and CSIR-UGC NET (2011-2019)
- Enhanced pedagogy comprising:
 - * a set of "Additional results and problems" at the end of each chapter
 - * a list of useful results of integration for direct applications along with contents and notations
- Inclusion of two new appendices:
 - * Appendix C: Beta and Gamma functions
 - * Appendix D: Cramer's rule for solving a system of Two Linear Algebraic Equations in Two Variables

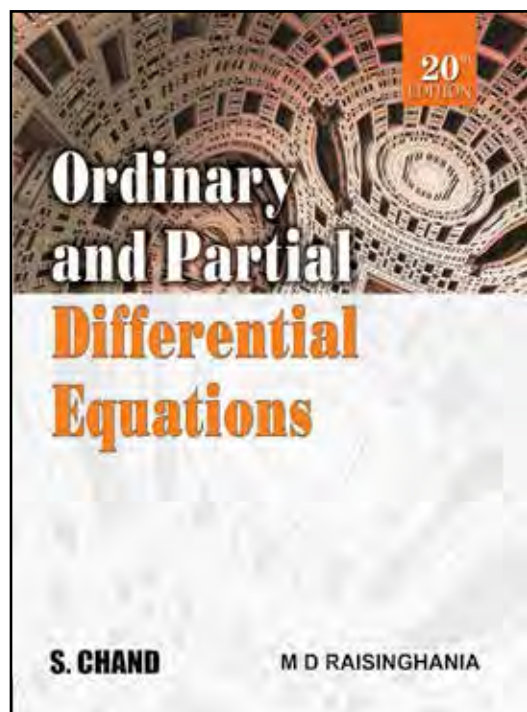
ISBN: 9789352838950 | Code: 9789352838950 | Price: ₹ 350 | Pages: 600 | Size: 6.5" X 9.25" (Paperback)

Contents

1. Preliminary Concepts	7. Integral Equations with Symmetric Kernels	Boundary Value Problems
2. Conversion of Ordinary Differential Equations into Integral Equations	8. Singular Integral Equations	14. Integral Equation Perturbation Techniques
3. Homogeneous Fredholm Integral Equations of the Second Kind with Separable or Degenerate Kernels	9. Integral Transform Methods	Appendix A: Boundary Value Problems and Green's Identities
4. Fredholm Integral Equations of the Second Kind with Separable (or Degenerate) Kernels	10. Self Adjoint Operator, Dirac Delta Function and Spherical Harmonics	Appendix B: Two and Three Dimensional Dirac Delta Functions
5. Method of Successive Approximations	11. Applications of Integral Equations and Green's Function to Ordinary Differential Equations	Appendix C: Beta and Gamma Functions
6. Classical Fredholm Theory	12. Applications of Integral Equations to Partial Differential Equations	Appendix D: Cramer's Rule for Solving a System of Two Linear Algebraic Equations in Two Variables
	13. Applications of Integral Equations to Mixed	* Index

M D Raisinghania, M.Sc.; Ph.D., is formerly Reader and Head of the Mathematics Department at S.D. (Postgraduate) College, Muzaffarnagar. He obtained his Ph.D. in Mathematics on the thesis entitled "An Analytical Study of Some Non-Newtonian Fluid Flow Problems". He has a rich experience of 38 years in teaching Mathematics to both undergraduate and postgraduate students.

A prolific author, Dr. Raisinghania has to his credit several books—Fluid Dynamics, Elements of Real Analysis, Dynamics, Integral Equations and Boundary Value Problems, Advanced Differential Equations and Elements of Real Analysis in addition to this book Ordinary and Partial Differential Equations—all published by S Chand And Company Limited, New Delhi. He has also published a number of research papers on Fluid Mechanics in reputed journals and his main research interest includes Fluid Mechanics.



Ordinary and Partial Differential Equations, 20e

M D Raisinghania

About the Book

This well-acclaimed book, now in its twentieth edition, continues to offer an in-depth presentation of the fundamental concepts and their applications of ordinary and partial differential equations providing systematic solution techniques. The book provides step-by-step proofs of theorems to enhance students' problem-solving skill and includes plenty of carefully chosen solved examples to illustrate the concepts discussed.

Designed as a textbook for undergraduate and postgraduate students of Mathematics and Physics as well as undergraduate students of all branches of Engineering and AMIE, this book would also be useful for the aspirants of GATE, CSIR-UGC (NET) and other competitive examinations.

Key Features

- A new chapter on "Miscellaneous Methods and Existence and Uniqueness Theorem for Solutions of First Order Initial Value Problems"
- Clear exposition of Picard's theorem and Picard's iterative method of successive approximations | Detailed discussion on Lipschitz condition, Lipschitz constant, Lipschitz continuous function, Gronwall inequality and existence and uniqueness of solutions to first order initial value problems
- For practice a number of exercises including questions asked in different university examinations, GATE, CSIR-UGC (NET) and other competitive examinations

ISBN: 9789352836109 | Code: 9789352836109 | Price: ₹ 699 | Pages: 912 | Size: 6.75" X 9.5" (Paperback)

Contents

Part I: Elementary Differential Equations

1. Differential Equations: Their Formation and Solutions
2. Equations of First Order and First Degree
3. Trajectories
4. Equations of the First Order but Not of the First Degree and Singular Solutions and Extraneous Loci
5. Linear Differential Equations with Constant Coefficients
6. Homogeneous Linear Equations or Cauchy-Euler Equations
7. Method of Variation of Parameters
8. Ordinary Simultaneous Differential Equations
9. Exact Differential Equations and Equations of Special Forms
10. Linear Equations of Second Order
11. Applications of Differential Equations
12. Miscellaneous Methods and Existence and Uniqueness Theorem for Solutions of First Order Initial Value Problems

Miscellaneous problems based on Part I of the book

Part II: Advanced Ordinary Differential Equations, Fourier Series And Special Functions

1. Picard's Iterative Method, Picard's Theorem and Existence and Uniqueness of Solutions to First Order Initial Value Problems
2. Simultaneous Equations of the Form $(dx)/IP = (dy)/IQ = (dz)/IR$
3. Total (or Pfaffian) Differential Equations
4. Beta and Gamma Functions
5. Chebyshev Polynomials
6. Fourier Series
7. Power Series
8. Integration in Series
9. Legendre Polynomials
10. Legendre Functions of the Second Kind— $Q_n(x)$
11. Bessel Functions
12. Orthogonal Sets of Functions and Sturm Liouville Problem

Miscellaneous problems based on Part II of the book

Part III: Partial Differential Equations

1. Origin of Partial Differential Equations
2. Linear Partial Differential Equations of Order One
3. Non-linear Partial Differential Equations of Order One
4. Homogeneous Linear Partial Differential Equations with Constant Coefficients
5. Non-homogeneous Linear Partial Differential Equations with Constant Coefficients
6. Partial Differential Equations Reducible to Equations with Constant Coefficients
7. Partial Differential Equations of Order Two with Variable Coefficients
8. Classification of P.D.E. Reduction to Canonical or Normal Forms Riemann Method
9. Monge's Methods
10. Transport Equation
11. Cauchy Initial Value Problem for Linear First Order Partial Differential Equations

Miscellaneous problems based on Part III of the book

M D Raisinghania, M.Sc.; Ph.D., is formerly Reader and Head of the Mathematics Department at S.D. (Postgraduate) College, Muzaffarnagar. He obtained his Ph.D. in Mathematics on the thesis entitled "An Analytical Study of Some Non-Newtonian Fluid Flow Problems". He has a rich experience of 38 years in teaching Mathematics to both undergraduate and postgraduate students.



Operations Research, 7e

P K Gupta & D S Hira

About the Book

Comprehensively written in a manner that suites the students of Mechanical Engineering and Commerce & Management, “*Operations Research*” transmutes deftly into a resource or a reference text for the students of statistics and mathematics or aspirants of various entrance examinations including UPSC.

Coverage of popular topics such as Linear Programming, Probability Theory and Queuing Models are supplemented with numerous examples, tables and figures which are then followed by exercises thereby providing the assurance to fulfil every requirement of understanding of the student.

A book which has seen, foreseen and incorporated changes in the subject for more than 40 years, it continues to be one of the most sought after texts by the students.

Key Features

- 16 chapters succinctly cover every crucial concept of the subject.
- Close to 2300 examples, figures and tables aid to the concepts explained.
- 1800+ exercise questions enhance the practice quotient of the book.

Instructor's Resource available

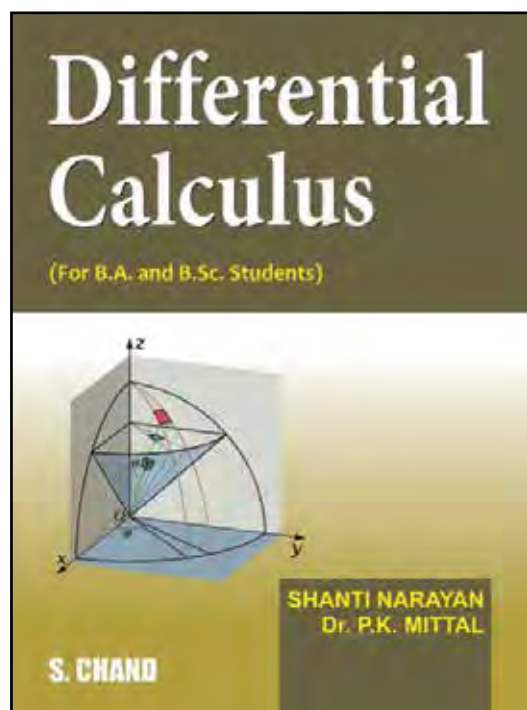
ISBN: 9788121902816 | Code: 1010E00087 | Price: ₹ 675 | Pages: 1,512 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|---|---|
| 1. Basics of Operations Research | 13. Simulation |
| 2. Liner Programming | 14. Network Analysis In Project Planning (PERT and CPM) |
| 3. The Transportation Model | 15. Statistical Quality Control. |
| 4. The Assignment Model | 16. Non Liner Programming |
| 5. Sequencing Models and Related Problems | • <i>Appendices</i> |
| 6. Advanced Topics In Liner Programming | <i>A: Review of Vectors and matrices</i> |
| 7. Dynamic Programming | <i>B: Derivation of Poisson Distribution</i> |
| 8. Probability Theory | • <i>Table C-1: Random Numbers Table</i> |
| 9. Decision Theory, Game, Investment Analysis and Annuity | • <i>Table C-2: Proportion of total area under the normal curve from $-\infty$ to z</i> |
| 10. Queuing Models | • <i>Bibliography</i> |
| 11. Replacement Models | • <i>Index</i> |
| 12. Inventory Models | |

P K Gupta is Former Assistant Professor, PEC Institute of Engineering and Technology, Chandigarh.

D S Hira, Director General, Swami Vivekanand Group of Institute, Patiala.



Differential Calculus

Shanti Narayan & P K Mittal

About the Book

This textbook commences with a brief outline of development of real numbers, their expression as infinite decimals and their representation by points along a line. While the first part of the textbook is analytical, the latter part deals with the geometrical applications of the subject. Numerous examples and exercises have been provided to support student's understanding. This textbook has been designed to meet the requirements of undergraduate students of BA and BSc courses.

Key Features

- Analytical geometrical interpretation of results has been provided
- Principles and methods profusely illustrated with the help of numerous solved examples
- A chapter on Some Important Curves which acquaints the students with different kinds of curves helping them understand their properties

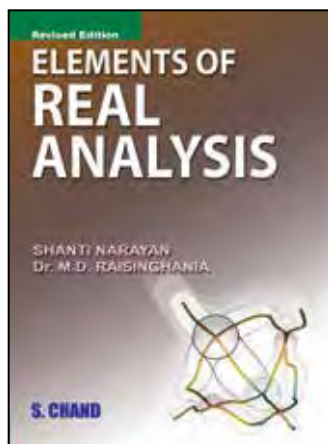
ISBN: 9788121904711 | Code: 1014B00049 | Price: ₹ 499 | Pages: 584 | Size: 6.75" X 9.5" (Paperback)

Contents

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|--|---------------------------------------|
| 1. Real Numbers | 11. Partial Differentiation |
| 2. Functions and Graphs—Elementary Functions | 12. Jacobians |
| 3. Continuity and Limit | 13. Concavity and Points of Inflexion |
| 4. Differentiation | 14. Curvature and Evolutes |
| 5. Successive Differentiation | 15. Asymptotes |
| 6. Expansion of Functions | 16. Singular Points |
| 7. Tangents and Normals | 17. Curve Tracing |
| 8. Mean Value Theorems | 18. Envelopes |
| 9. Maxima and Minima | 19. Change of Independent Variables |
| 10. Indeterminate Forms | |

Shanti Narayan, Formerly Dean of Colleges, Principal, Hans Raj College, Delhi.

P K Mittal, Formerly Head of Department - Mathematics, Government Post Graduate College, Rishikesh.



Elements of Real Analysis

Shanti Narayan & M D Raisinghania

About the Book

This classic book is a part of bestseller series in mathematics by eminent mathematician, Shanti Narayan. This thoroughly revised edition facilitates students to understand Elements of Real Analysis and provides stimulus for the commencement of the study of Analysis. This book caters to B.A., B.Sc.- Pass and Honours (Mathematics and Physics), M.A. and M.Sc. (Mathematics) students of various universities. It is also useful for GATE, CSIR-UGC(NET) and other competitive examinations.

Key Features

- Chapter on Fourier Series rewritten in the revised edition with new useful results
- New chapters on Countability of Sets, The riemann-Stieltjes Integrals, Uniform Convergence of Sequences and Series of Functions, Improper Integrals and Metric Spaces
- Illustrative solved examples and exercises to get a firm grip on the subject and enhance understanding

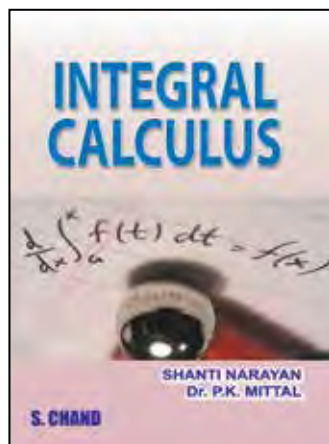
ISBN: 9788121903066 | Code: 1014G00052 | Price: ₹ 465 | Pages: 888 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Sets and Functions, 2. The Real Numbers, 3. Neighbourhoods and Limit Points of a Set: Open and Closed Sets, 4. Countability of Sets, 5. Sequences, 6. Infinite Series with Positive Terms, 7. Infinite Series with Positive and Negative Terms, 8. Real Functions: Limit and Continuity, 9. Real Functions: The Derivative, 10. Mean Value Theorems, 11. Maxima and Minima, 12. Indeterminate Forms, 13. Riemann Integrability, 14. The Riemann Stieltjes Integral, 15. Uniform Convergence of Sequences and Series of Functions, 16. Improper Integrals, 17. Power Series, 18. Double Sequences and Series, 19. Metric Spaces, 20. Beta and Gamma Functions, 21. Differentiation under the Integral Sign, 22. Fourier Series • Appendix: A.1: Some useful Theorems, A.2: Uniform Convergence and Continuity, A.3: Dini's Theorems on Uniform Convergence, A.4: Uniform Convergence and Integration, A.5: Uniform Convergence and Integration (particular cases of Theorems 1 and 2 discussed in Art. A.4), A.6: Uniform Convergence and Differentiation, A.7: Miscellaneous Problems on Chapter 15 • Miscellaneous Results and Problems based on the Entire Book • Index

Shanti Narayan, Formerly Dean of Colleges, Principal, Hans Raj College, University of Delhi.

M D Raisinghania, Formerly Reader and Head of Department - Mathematics, S D College, Muzaffarnagar.



Integral Calculus

Shanti Narayan & P K Mittal

About the Book

This classic book is a part of bestseller series in mathematics by eminent mathematician, Shanti Narayan. It is an exhaustive foundation text on Integral Calculus and primarily caters to the undergraduate courses of B.Sc and BA.

Key Features

- New chapters on Beta and Gamma Functions, Convergence of Improper Integrals, Differentiation under Integral Sign and Multiple Integrals.
- Numerous solved examples to facilitate easy reminiscence.

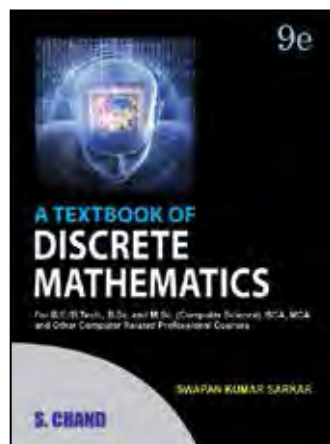
ISBN: 9788121906814 | Code: 1014B00050 | Price: ₹ 425 | Pages: 608 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Definitions, 2. Methods of Integration, 3. Integration of Algebraic Rational Functions, 4. Integration of Trigonometric Functions, 5. Integration of Irrational Functions, 6. Definite Integrals, 7. Beta and Gamma Functions, 8. Areas of Plane Regions, 9. Rectification Lengths of Plane Curves, 10. Volumes and Surfaces of Revolution, 11. Centre of Gravity. Moment of Inertia, Some Miscellaneous Topics: 12. Multiple Integrals, 13. Convergence of Improper Integrals, 14. Differentiation Under Integral Sign, Differential Equations: 15. Differential Equations of First Order and First Degree, 16. Equations of the First Order but not of the First Degree, 17. Trajectories of a Family of Curve, 18. Linear Equation

Shanti Narayan, Formerly Dean of Colleges, Principal, Hans Raj College, University of Delhi.

P K Mittal, Formerly Head of Department - Mathematics, Government Post Graduate College, Rishikesh.



A Textbook of Discrete Mathematics, 9e

Swapan Kumar Sarkar

About the Book

A *Textbook of Discrete Mathematics* provides an introduction to fundamental concepts in Discrete Mathematics, the study of mathematical structures which are fundamentally discrete, rather than continuous. It explains how concepts of discrete mathematics are important and useful in branches of computer science, such as, computer algorithms, programming languages, automated theorem proving and software development, to name a few. Written in a simple and lucid style, it has a balanced mix of theory and application to illustrate the implication of theory. It is designed for the students of graduate and postgraduate courses in computer science and computer engineering. The students pursuing IT related professional courses may also be benefitted.

Key Features

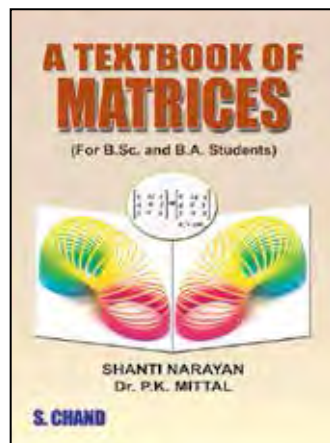
- Nearly 1000 solved examples throughout the book to facilitate understanding of concepts
- More than 250 figures and 60 tables help explain the concepts lucidly and illustrate the implications of theory
- More than 1000 practice set questions with answers presenting a mixture of straight forward application to ideas of chapter to challenging problems and nearly 500 multiple choice questions with answers at the end of each chapter to test the reader's understanding and grasp over the topic

ISBN: 9789385676451 | Code: 1014F00463 | Price: ₹ 625 | Pages: 864 | Size: 6.75" X 9.5" (Paperback)

Contents

1. A Brief Survey of Discrete Mathematics, 2. Mathematical Logic, 3. Boolean Algebra and Logic Circuits, 4. Set Theory, 5. Matrices, 6. Number Theory, 7. Relation, 8. Function, 9. Posets and Lattices, 10. Combinatorics, 11. Recurrence Relation and Generating Function, 12. Group Theory, 13. Rings and Fields, 14. Graph Theory – I, 15. Graph Theory – II, 16. Trees, 17. Language, Grammar and Automata, 18. Time Complexity of Algorithm, 19. Vector Spaces, 20. Elements of Coding Theory • References • Index

Swapan Kumar Sarkar, Professor and Head of Department - MCA, Meghnad Saha Institute of Technology, Kolkata.



A Textbook of Matrices

Shanti Narayan & P K Mittal

About the Book

The revised edition of the book fills in the urgent need of a treatise on the fundamental laws of operation with numbers so that the readers can understand points of similarity and difference between the Algebra of Matrices and of numbers. The subject is equally important to mathematical disciplines such as Geometry and Modern Algebra and to sciences. The book provides a well rounded and complete account of important concepts of Group, Ring, Field Isomorphism, Equivalence, Congruence and reduction of real quadratic and Hermitian forms to canonical form. Elementary treatment of Vector spaces and linear independence and dependence of vector systems helps in discussing Ranks of matrices and in formulation of results of a system of equations and characteristic vector of a matrix. Illustration of every idea and theorem with abundant solved examples and lucid language are the unique features of this legendary textbook. It is a must read for Mathematics and Science students of undergraduate programmes. Aspirants trying for competitive examinations will also find the book equally useful.

Key Features

- Strong pedagogy comprising beneficial chapter end features to enhance learning of the students - summary, Nearly 100 Exercises, more than 300 objective type questions at chapter end
- Nearly 200 solved examples and more than 350 exercises within the chapters to illustrate concepts and test the topical understanding of students, respectively

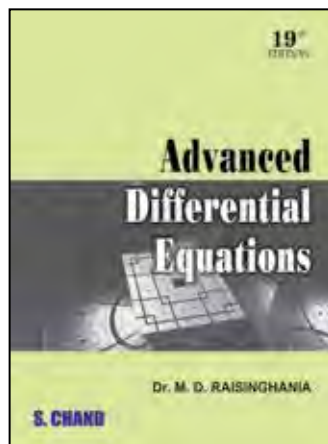
ISBN: 9788121925969 | Code: 1014A00509 | Price: ₹ 275 | Pages: 320 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Fundamental Concepts, 2. Algebra of Matrices, 3. Determinants, 4. Rank of a Matrix, 5. Vector Spaces of n-Tuples and Their Linear Transformations, 6. Systems of Linear Equations, 7. Quadratic Forms and Congruence of Matrices, 8. Quadratic Forms in the real field, 9. Hermitian Matrices and Forms, 10. Orthogonal Matrices: Unitary Matrices, 11. Characteristic Roots and Characteristic Vectors of a Matrix, 12. Orthogonal and Unitary Reductions of Quadratic Forms, 13. Similarity of Matrices • Appendices: I. Application to Geometry. Classification of Quadrics, II. Application to Graph Theory

Shanti Narayan, Formerly Dean of Colleges, Principal, Hans Raj College, Delhi.

P K Mittal, Formerly Head of Department - Mathematics, Government Post Graduate College, Rishikesh.



Advanced Differential Equations, 19e

M D Raisinghania

About the Book

This book has been designed to acquaint the students with advanced concepts of differential equations. Comprehensively written, it covers topics such as *Boundary Value Problems and their Separation of Variables*, *Laplace Transforms with Applications*, *Fourier Transforms and their Applications*, *the Hankel Transform and its Applications* and *Calculus of Variations*. While the textbook lucidly explains the theoretical concepts, it also presents the various methods and applications related to differential equations. Students of mathematics would find this book extremely useful as well as the aspirants of various competitive examinations.

Key Features

- Follows a step-by-step approach to problem solving
- Numerous examples and solved problems with detailed explanations provided for effective understanding of the concepts
- Solutions to latest questions papers of various university examinations have also been provided

ISBN: 9789352535897 | Code: 9789352535897 | Price: ₹ 825 | Pages: 1,536 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Advanced Ordinary Differential Equations and Special Functions: 1. Picard's Iterative Method. Uniqueness and Existence Theorem, 2. Simultaneous Differential Equations of the form $(dx)/P = (dy)/Q = (dz)/R$, 3. Total (or Pfaffian) Differential Equations, 4. Beta and Gamma Functions, 5. Chebyshev Polynomials, 6. Fourier Series, 7. Power Series, 8. Integration in Series, 9. Legendre Polynomials, 10. Legendre Functions of The Second Kind, 11. Bessel Functions, 12. Hermite Polynomials, 13. Laguerre Polynomial, 14. Hypergeometric Function, 15. Orthogonal set of Functions and Sturm-Liouville Problem, **Part-II: Partial Differential Equations:** 1. Origin of Partial Differential Equations, 2. Linear Partial Differential Equations of Order One, 3. Non-Linear Partial Differential Equations of Order One, 4. Homogeneous Linear Partial Differential Equations with Constant Coefficients, 5. Non-Homogeneous Linear Partial Differential Equations with Constant Coefficients, 6. Partial Differential Equations Reducible to Equations with Constant Coefficients, 7. Partial Differential Equations of Order two with Variable Coefficients, 8. Classification of Partial Differential Equations Reduction to Canonical or Normal Form. Riemann Method, 9. Monge's Method, 10. Transport Equation, 11. Cauchy Initial Value Problem for Linear First Order Partial Differential Equations, **Part-III: Boundary Value Problems and Their Solutions by Separation of Variables:** 1. Heat, Wave and Telegraph Equation. Method of Separation of Variables, 2. Boundary Value Problems in Cartesian Coordinates, 3. Boundary Value Problems in Polar Coordinates, 4. Boundary Value Problems in Cylindrical Coordinates, 5. Boundary Value Problems in Spherical Coordinates, **Part-IV-A: Laplace Transforms with Applications:** 1. The Laplace Transform, 2. The Inverse Laplace Transform, 3. Applications to Ordinary Differential Equations, 4. Application to Integral Equations, 5. Application to Boundary Value Problems, **Part-IV-B: Fourier Transforms and Their Applications:** 1. Fourier Integrals and Fourier Transforms, 2. Finite Fourier Transforms, **Part-IV-C: The Hankel Transforms and Their Applications:** 1. The Hankel Transform and their Applications, 2. The Finite Hankel Transform and its Applications, **Part-V: Calculus of Variations:** 1. Variational Problems with Fixed Boundaries, 2. Variational Problems with Moving (or Free) Boundaries. One Sided Variations, 3. Sufficient Conditions for an Extremum • *Additional Problems*

M.D. Raisinghania, M.Sc.; Ph.D., is formerly Reader and Head of the Mathematics Department at S.D. (Postgraduate) College, Muzaffarnagar. He obtained his Ph.D. in Mathematics on the thesis entitled "An Analytical Study of Some Non-Newtonian Fluid Flow Problems". He has a rich experience of 38 years in teaching Mathematics to both undergraduate and postgraduate students.



Mechanics

P Duraipandian,
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Muthamizh Jayapragasam

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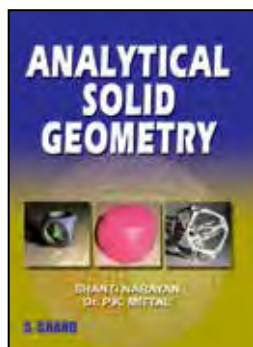
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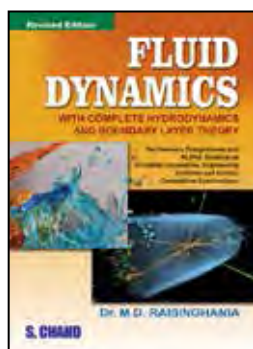
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M D Raisinghania

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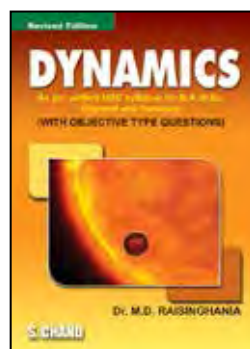
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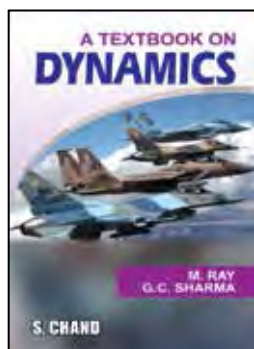
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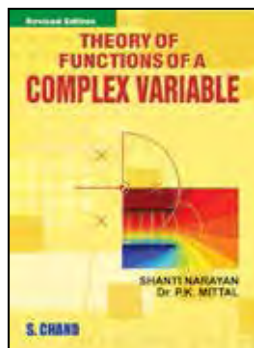
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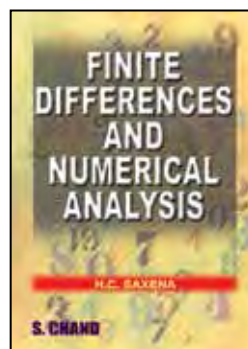
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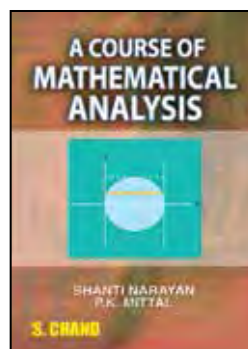
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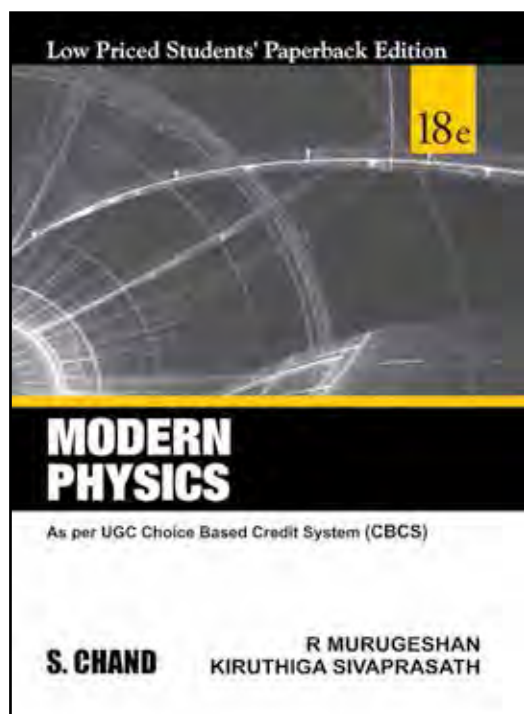
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R Murugesan & Kiruthiga Sivaprasath

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Key Features

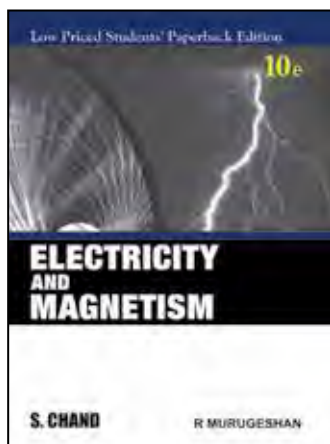
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7. Wave Properties of Particles	23. Cosmic Rays	39. Operational Amplifiers
8. Schrodinger Equation and its Applications	24. Elementary Particles	40. Communications Electronics
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13. Perturbation Theory	28. Superconductivity	44. Mathematical Physics
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14. Molecular Spectra	30. Magnetism	
	Part-VII: Frontiers of Physics	

R Murugesan, Formerly, Head of Department of Physics, Vivekananda College, Madurai.



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R Murugesan

About the Book

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Key Features

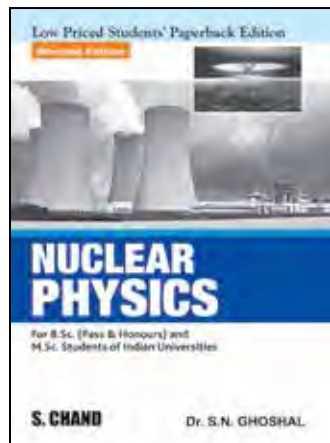
- Increased coverage on Magnetism discussing topics such as Diamagnetism, Paramagnetism, Ferromagnetism, Weiss Modification and Domain theory of Ferromagnetism
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R Murugesan, Formerly, Head of Department of Physics, Vivekananda College, Madurai.



Nuclear Physics

S N Ghoshal

About the Book

This well-written text discusses the principles and concepts of Nuclear Physics in a simple and easy-to-understand language. It discusses the structure and properties of atomic nucleus, radioactivity, nuclear radiations, nuclear models, nuclear reactions and accelerators of charged particles. The book also discusses nuclear forces & two-body problem, elementary particles and cosmic rays. It would be extremely useful for undergraduate and postgraduate students of Physics.

Key Features

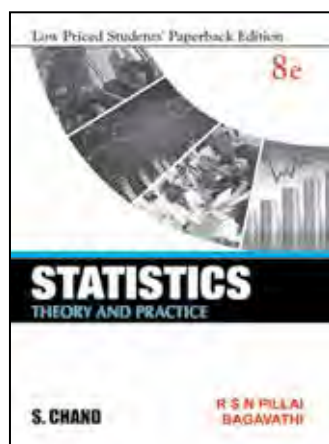
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S N Ghoshal, M.Sc., Ph.D., Formerly Principal, Presidency College, Kolkata



Statistics Theory and Practice, 8e

R S N Pillai & Bagavathi

About the Book

A comprehensive and easy to understand text, this book discusses fundamental theoretical concepts with emphasis on practical applicability. The book begins with the explanation of statistical fundamentals and progresses to discussion of representation and presentation techniques, measures of central tendency, dispersion, skewness, correlation, regression, and index numbers. It further initiates the study of index numbers and analysis of time series, interpolation and extrapolation, association of attributes, probability, theoretical distribution, sampling theory and chi square and concludes with logarithm and its uses. The book has ample illustrations with solutions to help students understand the topics discussed and gain a solid foundation in statistics. The book is an ideal choice for undergraduate and postgraduate students of statistics, and also caters to the needs of students of varied disciplines.

Key Features

- A perfect balance of theory and practice with abundant diagrams and tables to reinforce understanding

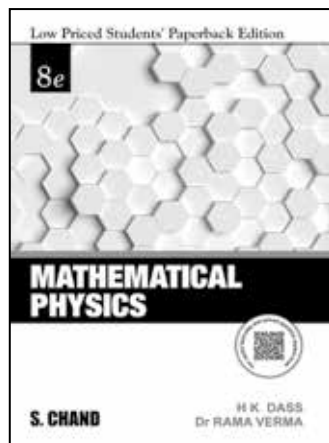
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R S N Pillai, Formerly Professor & Head of the Department (Commerce), Anna College, Aramboly (Kanyakumari).



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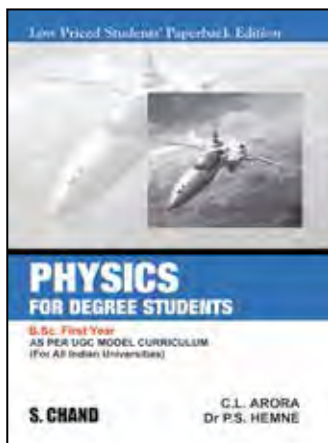
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H K Dass, MSc. Diploma in Specialist Studies (Mathematics), University of Hull (England). He is also the winner of Secular India Award – 1998.

Rama Verma, Head of Department - Mathematics, Mata Sundri College, University of Delhi



Physics for Degree Students (For B.Sc. First Year)

C L Arora & P S Hemne

About the Book

"Physics for Degree Students" is written exclusively for B.Sc. first year students. For close to 10 years, the text provides close to 1500 pedagogical elements spread across 24 chapters to the students while covering the entire syllabus.

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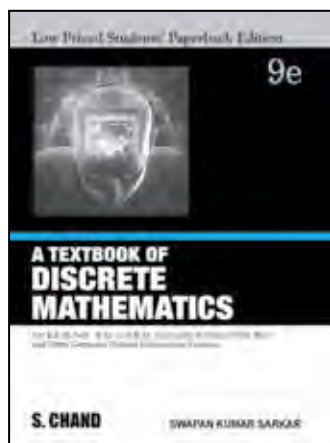
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Section-I: Mechanics, Oscillations and Properties of Matter: 1. Mechanics: Laws of Motion, 2. Motion Under a Central Force, 3. Conservation of Momenta and Mechanics of Centre of Mass, 4. Dynamics of Rigid Body, 5. Oscillations: Simple Harmonic Motion, 6. Lissajous' Figures, 7. Damped, Forced Harmonic Oscillator, 8. Coupled Oscillators, 9. Motion of Charged Particles in Electric and Magnetic Fields, 10. Properties of Matter: Elasticity, 11. Fluid Mechanics: Viscosity, 12. Surface Tension, Section-II: Electricity, Magnetism and Electromagnetic Theory: 13. Mathematical Background-I: Vector Analysis, 14. Mathematical Background-II: Partial Derivatives, 15. Repeated Integrals, 16. Electrostatics: Electric Field, 17. Electric Potential, 18. Electric Fields in Dilectrics, 19. Electric Currents: Steady Current, 20. Alternating Current (A.C.), 21. Magnetostatics-I: Force on a Moving Charge, 22. Magnetostatics-II: Magnetic Field due to Steady Currents, 23. Time Varying Fields: Electromagnetic Induction, 24. Electromagnetic Waves • *Index*

C L Arora, M.Sc., Formerly Principal, DAV College, Jalandhar, and Dean of College & Guru Nanak Dev University, Amritsar.

P S Hemne, M.Sc., Ph.D. Principal and Head of Post Graduate Department of Physics, Nevjabai Hitkarini College, Bramhapuri.



A Textbook of Discrete Mathematics, 9e

Swapan Kumar Sarkar

About the Book

A Textbook of Discrete Mathematics provides an introduction to fundamental concepts in Discrete Mathematics, the study of mathematical structures which are fundamentally discrete, rather than continuous. It explains how concepts of discrete mathematics are important and useful in branches of computer science, such as, computer algorithms, programming languages, automated theorem proving and software development, to name a few. Written in a simple and lucid style, it has a balanced mix of theory and application to illustrate the implication of theory. It is designed for the students of graduate and postgraduate courses in computer science and computer engineering. The students pursuing IT related professional courses may also be benefitted.

Key Features

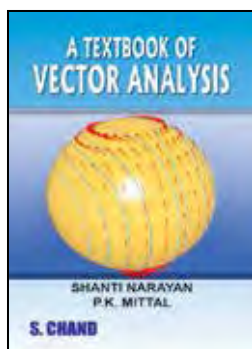
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Swapan Kumar Sarkar, Professor and Head of Department - MCA, Meghnad Saha Institute of Technology, Kolkata.



A Textbook of Vector Analysis

Shanti Narayan & P K Mittal

ISBN: 9788121922432

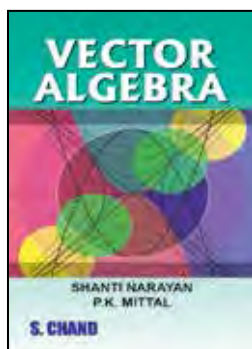
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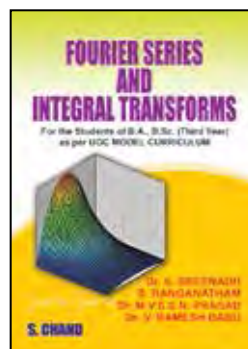
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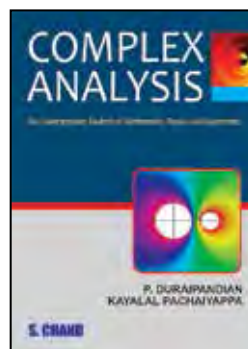
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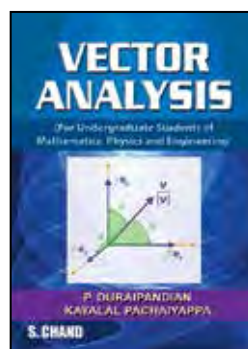
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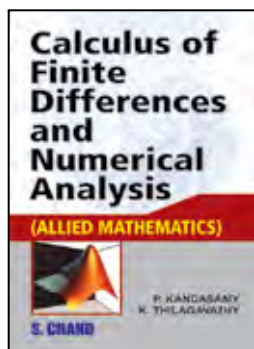
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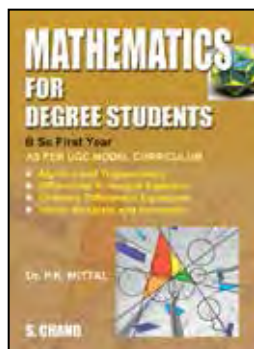
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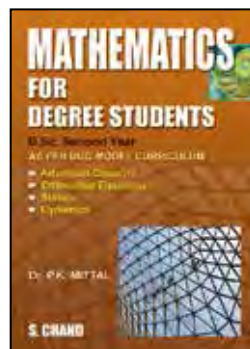
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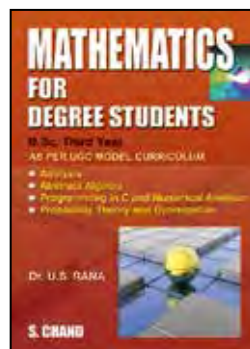
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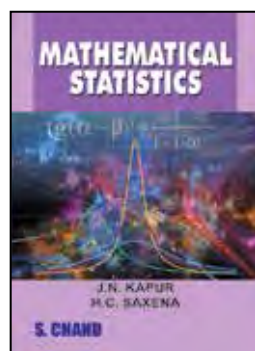
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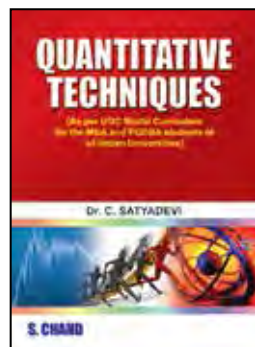
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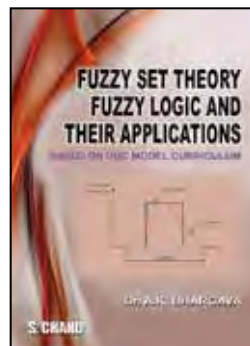
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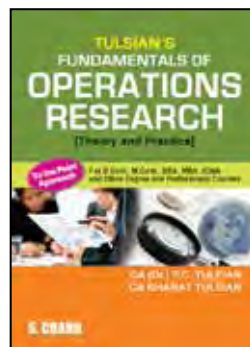
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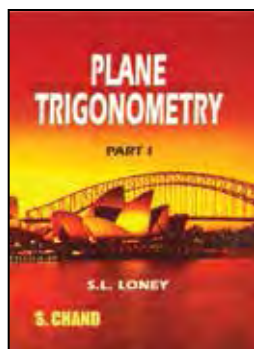
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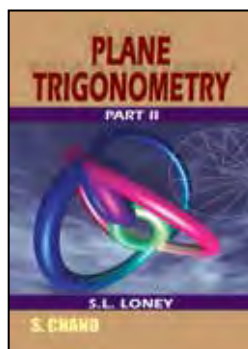
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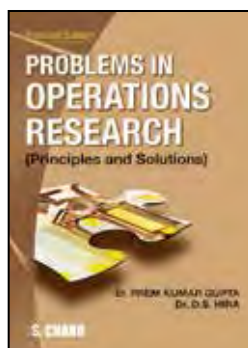
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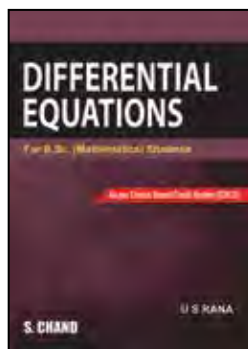
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U S Rana

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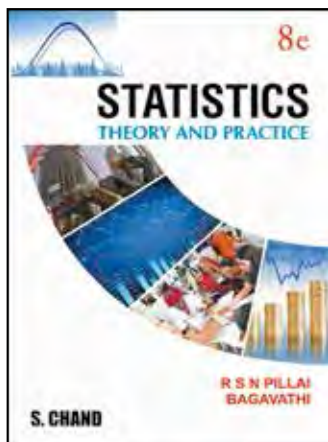
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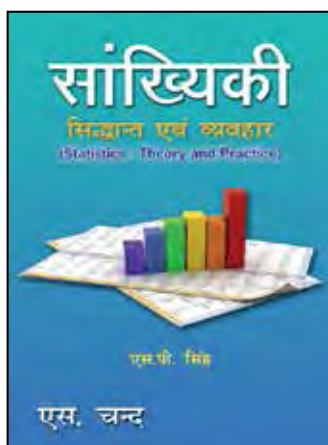
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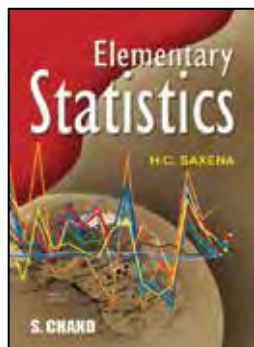
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22. प्रायिकता अथवा सम्भावना, 23. सैद्धान्तिक आवृत्ति बंटन, 24. प्रतिचयन सिद्धान्त एवं सार्थकता-परीक्षण, 25. सार्थकता-परीक्षण-बड़े प्रतिदर्श, 26. गुण-समंको में सार्थकता-परीक्षण, 27. सार्थकता-परीक्षण-छोटे प्रतिदर्श, 28. प्रसरण विश्लेषण, 29. सांख्यिकीय गुण-नियन्त्रण, **खण्ड (ब) : भारतीय सांख्यिकी या समंक**: 1. भारत में सांख्यिकीय व्यवस्था, 2. उत्तर प्रदेश में सांख्यिकीय व्यवस्था, 3. मध्य प्रदेश में सांख्यिकीय व्यवस्था, 4. जनसंख्या समंक, 5. राष्ट्रीय आय समंक, 6. कृषि-समंक, 7. औद्योगिक समंक, 8. मूल्य समंक, 9. व्यापार समंक, 10. श्रम समंक, 11. भारतीय समंको के सामान्य दोष • वस्तुनिष्ठ एवं बहुविकल्प प्रश्नमाला • सांख्यिकीय सारणियाँ

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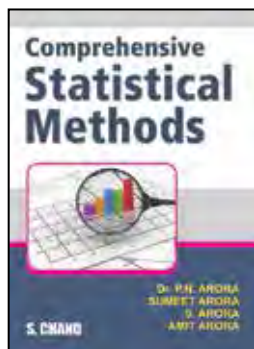
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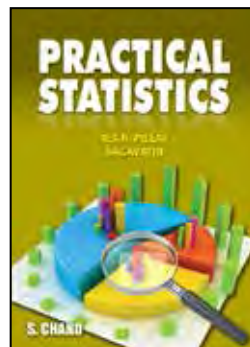
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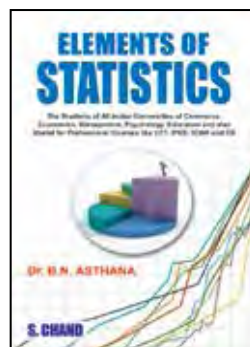
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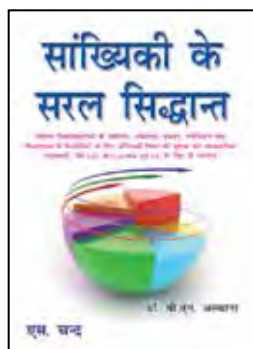
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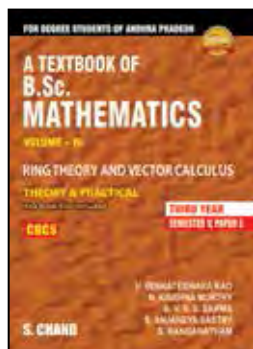
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V. Venkateswara Rao
N. Krishnamurthy
B.V.S.S. Sarma
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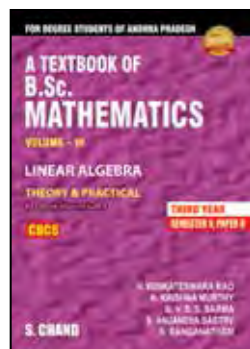
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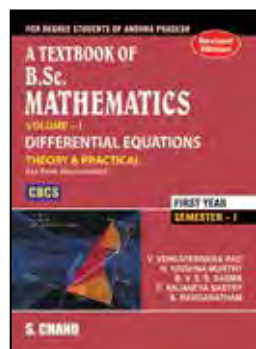
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**A Textbook of
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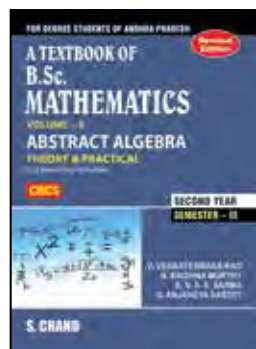
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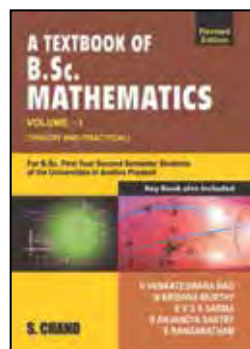
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V. Venkateswara Rao: M.Sc., Former Vice Principal and Head of the Department of Mathematics, Hindu College, GUNTUR

N. Krishnamurthy: M.Sc., Former Head of Department of Mathematics, V.V. College, Hyderabad

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For Telangana



A Textbook of B.Sc. Mathematics, Ring Theory and Vector Calculus (Telugu)

V. Venkateshwar Rao
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B.V.S.S. Sarma
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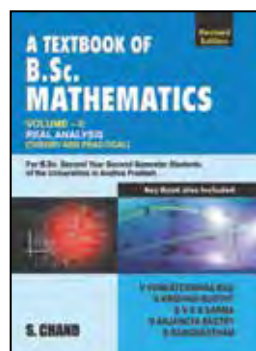
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A Textbook of B.Sc. Mathematics Real Analysis

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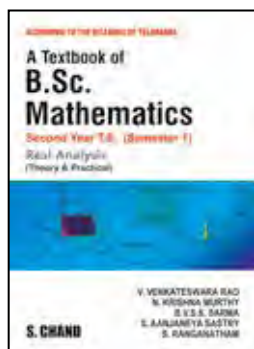
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Key Features

- The book is based as per pattern CBCS.
- Objective type questions covering multiple choice type and fill in the blanks type questions useful for M.Sc. entrance tests are given with answers at the end of each section.
- Detailed solution for all problems in the various exercises of different chapters are given at the end.

Contents

1. Introduction – Real number, 2. Sequences, 3. Sub Sequences & Series, 4. Limits and Continuity, 5. Sequence & Series of functions, Objective Types of questions, 6. Riemann Integration, Objective Types of questions • Key to "A Textbook of B.Sc. Mathematics – Sem. – III"

V Venkateswara Rao: He is a very experienced lecturer, with experience of 40 years. He is former vice principal and head of the department of mathematics, Hindu college, Guntur.

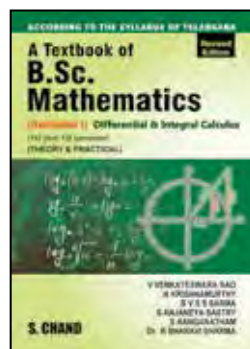
N Krishnamurthy: He is experienced lecturer, teaching degree mathematics for 40 years. He is head of the department of mathematics VV College Hyderabad

BVSS Sarma: He is experienced lecturer teaching, degree mathematics for 40 years. He is 8senior lecturer in VSR & NVR College, Tenali.

S Anjaneya Sastry: He is experienced lecturer teaching, degree mathematics for 40 years. He is head of the mathematics department in VSR & NVR College, Tenali.

S Ranganatham: He has experience of over 30 years in teaching mathematics for, degree, post graduate, and engineering. He is head of the department of mathematics in Jawahar Bharathi Degree College, Kavali. He has obtained M.Phil from Sri Venkateswara University, Tirupathi.

Dr. R Bharavi Sharma: He is assistant professor of mathematics in department of mathematics, Kakatiya University, Warangal. He has obtained his Ph. D from Kakatiya University.



**A Textbook of
B.Sc. Mathematics Sem. I
Differential & Integral
Calculus**

V Venkateswara Rao
N Krishnamurthy
B V S S Sarma
S Anjaneya Sastry
S Ranganatham
Dr. R Bharavi Sharma

ISBN: 9789352837830 | Code: 9789352837830 | Price: ₹ 199
Pages: 248 | Size: 6.75" X 9.5" (Paperback)

About the Book

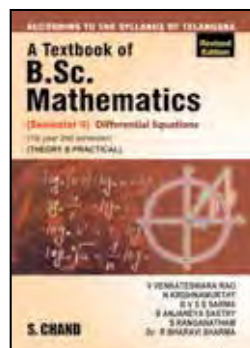
The book "A Textbook of B. Sc. Mathematics" is for the students studying in first year of Telangana State universities. The revised syllabus is being adopted by all the universities in Telangana State, following Common Core model curriculum from the academic year 2019–2020 based on CBCS (Choice Based Credit System). This book strictly covers the new curriculum for Semester I (First year, First semester). The detailed solutions for all the problems in the various exercises of different chapters are given at the end. Key for the exercise problems appended at the end.

Key Features

- This book is strictly according to the syllabus prescribed for B. Sc. based on the guidelines by UGC for CBCS.
- Theory is explained in a lucid manner using examples at appropriate places.
- Previous years question papers with solutions are included at appropriate places
- Key book, solutions for exercise, is included.
- Objective type questions included, which are useful for PG entrance examination.

Contents

1. Partial Differentiation, 2. Implicit functions, Taylor's Theorem, 3. Maxima and Minima, 4. Curvature and Evolutes, 5. Envelopes, 6. Lengths of Plane Curves, 7. Volumes and surfaces of Revolution • Key to "A Textbook of B. Sc. Mathematics - Vol. I"



**A Textbook of B.Sc.
Mathematics Sem. II
Differential Equations**

N Krishnamurthy
V Venkateswara Rao
B V S S Sarma
S A Sastry
S Ranganatham
Dr. R Bharavi Sharma

ISBN: 9789352838233 | Code: 9789352838233 | Price: ₹ 275
Pages: 464 | Size: 6.75" X 9.5" (Paperback)

About the Book

In the study of many subjects such as Physics, Chemistry and Economics, the problems faced are represented by a mathematical model called a differential equation. A differential equation is formed involving the derivatives of the unknown function has

been described fully and accurately with the physical process or a geometrical law. The solution of such a differential equation gives the unknown function involved in explaining the physical process or geometrical law. Since the time of Newton, Mathematicians are in the constant search for the solution of differential equations describing the nature of a physical or geometrical law. Thus an equation formed by the derivatives of an unknown function is called a differential equation, the solution of which gives the unknown function. With the examples of geometrical nature and physical process, in this book it has been illustrated, the purpose of differential equation whose solution involves a search for the unknown function.

Key Features

- A differential equation is formed involving the derivatives of the unknown function has been described fully and accurately with the physical process or a geometrical law.
- The solution of differential equation has been discussed when the unknown function involved in explaining the physical process or geometrical law.
- With the examples of geometrical nature and physical process, in this book it has been illustrated, the purpose of differential equation whose solution involves a search for the unknown function.
- Previous years question papers with solutions are included at appropriate places
- Key book, solutions for exercise, is included.

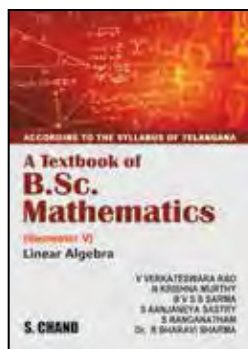
Contents

1. Introduction, 2. Differential Equations of First order and First Degree, 3. Differential Equations of First order but not of First Degree, 4. Higher Order Linear Differential Equations (Constant coefficients), 5. Higher Order Linear Differential Equations (Non - Constant coefficients), 6. Partial Differential Equations, Objective Type Questions, • Key to "A Text Book B. Sc. Mathematics - Semester II"

- This book strictly covers the new curriculum for Semester V (3rd year, 1st semester-Elective).
- Solutions are provided for the questions of Practical Question Bank.
- Key for the exercise problems appended at the end.

Contents

1. Sphere, 2. Cones, 3. Cylinder, 4. The Conicoid • Practical Question Bank with solutions Key to "A Textbook B.Sc. Mathematics-Vol. III • [5th Semester-(Solid Geometry (Elective))]



A Textbook of B.Sc. Mathematics Linear Algebra

V Venkateswara Rao
N Krishnamurthy
B V S S Sarma
S Anjaneya Sastry
S Ranganatham
Dr. R Bharavi Sharma

ISBN: 9789352835270 | Code: 1007000609 | Price: ₹ 195
Pages: 232 | Size: 6.75" X 9.5" (Paperback)

About the Book

This Textbook of B.Sc. Mathematics for the students studying third year first semester in all universities of Telangana state was first published in the year 1988 and has undergone several editions and many reprints.

The revised syllabus is being adopted by all the universities in Telangana state, following Common Core model Curriculum from the academic year 2016-2017 based on CBCS (Choice Based Credit System). This book strictly covers the new curriculum for Semester V (3rd year, 1st semester). Solutions are provided for the questions of Practical Question Bank at appropriate chapters.

Key Features

- The revised syllabus is being adopted by all the universities in Telangana state, following Common Core model Curriculum from the academic year 2016 - 2017 based on CBCS (Choice Based Credit System).
- A good number of worked examples have been added and questions from latest university question papers have been included at appropriate places.
- This book strictly covers the new curriculum for Semester V (3rd year, 1st semester).

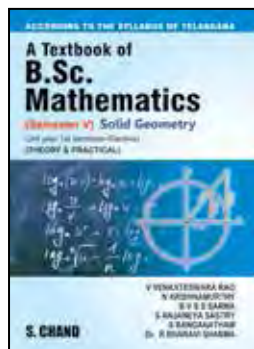
Contents

UNIT - I : Vector Spaces and Subspaces, Null Spaces, Column Spaces and Linear Transformations - Linearly Independent Sets; Bases - Coordinate Systems. **UNIT - II :** The Dimension of a Vector Space, Rank - Change of Basis - Eigen Values and Eigen Vectors, **UNIT - III :** The Characteristic Equation, Diagonalization - Eigen vectors and Linear Transformations - Complex Eigen Values - Applications to Differential Equations, **UNIT - IV:** Inner Product, Length and Orthogonality - Orthogonal Sets

V. Venkateswara Rao, M. Sc., former Vice Principal and Head of Department of Mathematics, Hindu College, Guntur.

N. Krishnamurthy M.Sc. Former Head of The Department of Mathematics, V.V. College, Hyderabad B.V.S.S. Sarma M. SC. Former, Senior Lecturer In Mathematics V.S.R. & N.V.R. College, Tenali

S. Anjaneya Sastry M.A. Former Head Of The Deptt. of Mathematics V.S.R. & N.V.R. College, Tenali



A Textbook of B.Sc. Mathematics Sem. V Solid Geometry

V Venkateswara Rao
N Krishnamurthy
B V S S Sarma
S Anjaneya Sastry
S Ranganatham
Dr. R Bharavi Sharma

ISBN: 9789352835300 | Code: 9789352835300 | Price: ₹ 150
Pages: 200 | Size: 6.75" X 9.5" (Paperback)

About the Book

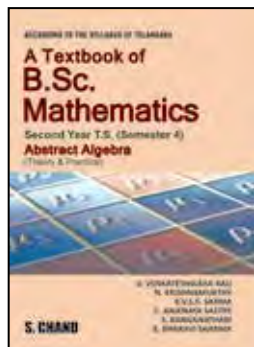
This Textbook of B.Sc. Mathematics for the students studying Second year in all universities of Andhra Pradesh was first published in the year 1988 and has undergone several editions and many reprints.

The revised syllabus is being adopted by all the universities in Telangana State, following Common Core model curriculum from the academic year 2016-2017 based on CBCS (Choice Based Credit System). This book strictly covers the new curriculum for Semester V (3rd year, 1st semester-Elective). Solutions are provided for the questions of Practical Question Bank. Key for the exercise problems appended at the end.

Key Features

- The revised syllabus is being adopted by all the universities in Telangana State, following Common Core model curriculum from the academic year 2016-2017 based on CBCS (Choice Based Credit System).

S. Ranganatham is M.Sc., M.phil In Mathematics. Head of The Dept. Of Mathematics Jawahar Bharathi Degree College Kavali.
Dr. R. Bharavi Sharma M.sc., Phd Asst. Prof. of Mathematics and Nodal Officer, Kakatiya University, Warangal



A Textbook of B.Sc. Mathematics Abstract Algebra

V. Venkateswara Rao
N. Krishnamurthy
B.V.S.S. Sarma
S. Anjaneya Sastry
S. Ranganatham
R. Bharavi Sharma

ISBN: 9789352832507 | Code: 10HE000082 | Price: ₹ 225
Pages: 392 | Size: 6.75" X 9.5" (Paperback)

About the Book

This Textbook of B.Sc. Mathematics is written for the students studying Second year Second Semester in all universities of Telangana state was first published in the year 1988 and has undergone several editions and many reprints. The revised syllabus is being adopted by all universities in Andhra Pradesh, following Common Core Model Curriculum from the academic year 2015-2016(revised in 2016). The book strictly covers the new Curriculum for Semester IV (2nd Year, 2nd Semester).

Key Features

- Written as per new common core syllabus of 2016-17 based on CBCS
- For B.Sc. 2nd Year, 2nd Semester of the Universities in Telangana
- Solutions are provided for the questions of Practical question bank

Contents

1. Groups, 2. Finite and Infinite Groups, 3. Subgroups, 4. Cyclic Groups, 5. Permutation Groups, 6. Isomorphisms of Groups, 7. Cosets and Lagrange's Theorem, 8. Normal Subgroups and Factor Groups, 9. Homomorphisms of Groups, 10. Rings and Sub Rings, 11. Integral Domains and Fields, 12. Ideals, Factor Rings and Types of Ideals, 13. Homomorphisms and Isomorphisms of Rings, 14. Rings of Polynomials, Practical Problems • Key to "A Textbook of B.Sc. Mathematics – Sem. – IV"

V. Venkateswara Rao, M. Sc., former Vice Principal and Head of Department of Mathematics, Hindu College, Guntur.

N. Krishnamurthy, M. Sc., former Head of department of Mathematics, V.V. College, Hyderabad.

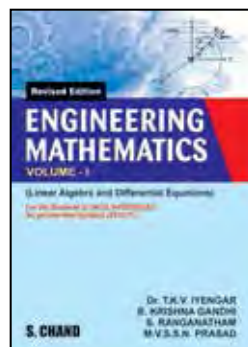
B.V.S.S. Sarma, M. Sc., former Senior Lecturer in Mathematics, V.S.R. & N.V.R. College, Tenali.

S. Anjaneya Sastry, M. A., former Head of Department of Mathematics, V.S.R. & N.V.R. College, Tenali

S. Ranganatham, M. Sc., M. Phil. Former Head of Department of Mathematics, Jawahar Bharathi Degree College, Kavali.

R. Bharavi Sharma, M. Sc., Ph. D., Asst. Professor of Mathematics and Nodal Officer, Kakatiya University, Warangal

Books for JNTU Hyderabad



Engineering Mathematics-I

Dr. T.K.V. Iyengar
B. Krishna Gandhi
S. Ranganatham
M.V.S.S.N. Prasad

ISBN: 9789352837472 | Code: 9789352837472 | Price: ₹ 375
Pages: 792 | Size: 6.75" X 9.5" (Paperback)

About the Book

This is the nineteenth edition of the book "Engineering Mathematics-I". The earlier editions have received positive response from the teachers and the students. This text book has been written strictly according to the revised syllabus (R18) 2018-19 of first year (First Semester) B. Tech students of JNTU, Hyderabad. In this edition some topics have been updated. The previous question paper problems have been included at appropriate places. For the benefit of the students, previous GATE questions are included at the end of each chapter. The topics has been made as simple as possible and in some instances the detailed explanation is given, to understand content with a minimum effort.

Key Features

- The book is written strictly according to the revised syllabus of JNTU Hyderabad.
- Theory is explained in a lucid manner using good number of examples.
- Latest questions from question paper are used at appropriate places.
- At the end of each chapter, latest questions from GATE question, are included.
- Model question papers are given for the student to prepare for the GATE examination.
- Previous question papers are fully solved and appended at the end.

Contents

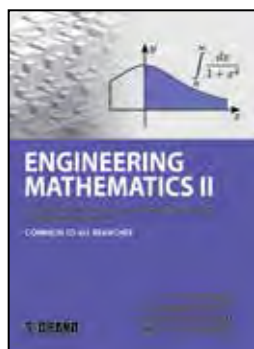
1. Matrices, 2. Eigen Values and Eigen Vectors, 3. Sequences & Series, 4. Calculus, 5. Multivariable calculus (Partial Differentiation and applications) • Solutions to JNTU (H) - Dec. 2018 Question Paper

Dr. T.K.V. Iyengar was working in the department of Mathematics of NIT, Warangal. He has experience of 40 years in teaching mathematics for engineering students. He has enlightened the applications of mathematics in engineering. Under his guidance, number of students obtained their doctorate degrees.

B. Krishna Gandhi was head of the department of mathematics in JNTU, Hyderabad. He was Vice Chancellor of JNTU Ananthapur. He has comprehensive experience as lecturer of mathematics. Under his guidance, number of students obtained their doctorate degrees.

S. Ranganatham was head of the department of mathematics in Jawahar Bharati in Kavali which was recognised as prime college by UGC. He has over 35 years of teaching mathematics for engineering and degree students. He obtained his M. Phil from SV University Tirupati.

M.V.S.S.N. Prasad was a lecturer in technical education of Govt of A.P. He obtained his Ph. D from SV University Tirupati. He is now Principal of Government Polytechnic. He wrote many books in mathematics for polytechnic students.



Engineering Mathematics-II

T K V Iyengar
B Krishna Gandhi
S Ranganatham
M V S S N Prasad

ISBN: 9789352836345 | Code: 9789352836345 | Price: ₹ 350
Pages: 624 | Size: 6.75" X 9.5" (Paperback)

About the Book

The book "Engineering Mathematics-II" has been written conferring to the revised syllabus (R18) 2018-19 of first year (Second Semester) of B. Tech students of JNTU, Hyderabad. The topics has been made as simple as possible and in some instances with detailed explanation is given. The book is outlined in such way that it can be understood with a minimum effort.

Key Features

- The book is written strictly according to the revised syllabus of JNTU Hyderabad.
- Theory is explained in a lucid manner using good number of examples.
- Latest questions from question paper are used at appropriate places.
- At the end of each chapter, latest questions from GATE question, are included.
- Model question papers are included for the student to prepare for the GATE examination.
- Previous question papers are fully solved and appended at the end.

Contents

1. First Order ODE, 2. Ordinary Differential Equations of Higher Order, 3. Multivariable Calculus (Integration), 4. Vector Differentiations, 5. Vector Integration.

T.K.V. Iyengar M.A., Ph.D Professor of Mathematics (Rtd.) National Institute of Technology, Warangal

B Krishna Gandhi M.Sc, Ph.D in Mathematics. Former Vice Chancellor Jawaharlal Nehru Technological University, Anantapur.

S. Ranganatham is M.Sc., M.Phil in Mathematics. Head of the Dept. of Mathematics (Rtd.) Jawahar Bharathi Degree College, Kavali

M.V.S.S.N. Prasad is M.Sc., P.G.D.C.A. in Mathematics, and Ph.D. Head of General Section Department of Technical Education, Govt. of A.P.



Laplace Transforms, Numerical Methods & Complex Variables

T. K. V. Iyengar
B. Krishna Gandhi
S. Ranganatham
M.V.S.S.N. Prasad

ISBN: 9789352838219 | Code: 9789352838219 | Price: ₹ 450
Pages: 904 | Size: 6.75" X 9.5" (Paperback)

About the Book

There are many transform techniques which are used in the analysis and design of engineering systems. Some of the transform techniques were introduced in the beginning by great individuals which were vigorously defined and developed by mathematicians in later days. The technique of Laplace transform is one such. In this book the idea of Laplace transform has been developed for some useful results. Also the Laplace transform technique is used in solving a class of problems in differential equations. This technique is applicable in many cases. In practical problems, in many engineering applications, where we are concerned with solution of initial value problems, this is a useful technique. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the benefit of the students.

Key Features

- In this book the idea of Laplace transform has been developed for some useful results.
- Laplace transform technique is used in solving a class of problems in differential equations.
- Previous GATE questions at the end of each chapter for the benefit of the students.
- Questions with answers from latest question papers of JNTU H, have been inserted at proper places.
- The objective type questions have been given at the end of each unit.

Contents

1. Laplace Transforms, 2. Inverse Laplace Transforms, 3. Solution of Algebraic & Transcendental Equations, 4. Interpolation, 5. Numerical Integration, 6. Numerical Solution of Ordinary Differential Equations, 7. Functions of a Complex Variable, 8. Complex Integration, 9. Complex Power Series, 10. Contour Integration

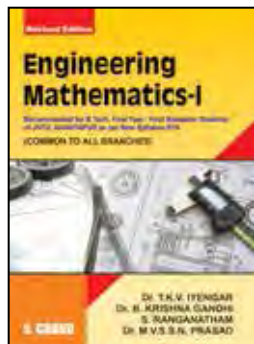
Dr TKV Iyengar was working in the department of Mathematics of NIT, Warangal. He has experience of 40 years in teaching mathematics for engineering students. He has enlightened the applications of mathematics in engineering. Under his guidance, number of students obtained their doctorate degrees.

Dr B Krishna Gandhi was head of the department of mathematics in JNTU, Hyderabad. He was Vice Chancellor of JNTU Ananthapur. He has comprehensive experience as lecturer of mathematics. Under his guidance, number of students obtained their doctorate degrees.

S Ranganatham was head of the department of mathematics in Jawahar Bharati in Kavali which was recognised as prime college by UGC. He has over 35 years of teaching mathematics for engineering and degree students. He obtained his M. Phil from SV University Tirupati.

Dr MVS N Prasad was a lecturer in technical education of Govt of A.P. He obtained his Ph.D from SV University Tirupati. He is now Principal of Government Polytechnic. He wrote many books in mathematics for polytechnic students.

Books for JNTU Anantapur



Engineering Mathematics-I

Dr. T.K.V. Iyengar
Dr. B. Krishna Gandhi
S. Ranganatham
Dr. M.V.S.S.N. Prasad

ISBN: 9789352837663 | Code: 9789352837663 | Price: ₹ 399
Pages: 776 | Size: 6.75" X 9.5" (Paperback)

About the Book

This is the sixteenth edition of the book "Engineering Mathematics-I". The earlier editions have received positive response from the teachers and the students. This textbook has been written conferring to the revised syllabus (R19) of first year (First Semester) of B. Tech students of JNTU, Anantapur. In this edition some topics have been updated. The previous question paper problems have been included at appropriate places. For the benefit of the students, the previous GATE questions have been included at the end of each chapter. The topics has been made as simple as possible and in some instances detailed explanation is given, as the content is meant to be understood with a minimum effort.

Key Features

- The book is written strictly according to the revised syllabus of JNTU Ananthpur.
- Theory is explained in a lucid manner using good number of examples.
- Latest questions from question paper are used at appropriate places.
- At the end of each chapter, latest questions from GATE question, are included.
- Model question papers are given for the student to prepare for the GATE examination.
- Previous question papers are fully solved and appended at the end.

Contents

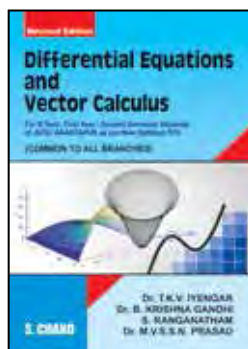
1. Matrices, 2. Eigen Values and Eigen Vectors, 3. Quadratic Forms, 4. Mean Value Theorems, 5. Partial Differentiation and applications, 6. Multiple Integrals, 7. Beta and Gamma Functions

Dr. T.K.V. Iyengar was working in the department of Mathematics of NIT, Warangal. He has experience of 40 years in teaching mathematics for engineering students. He has enlightened the applications of mathematics in engineering. Under his guidance, number of students obtained their doctorate degrees.

Dr. B. Krishna Gandhi was head of the department of mathematics in JNTU, Hyderabad. He was Vice Chancellor of JNTU Ananthapur. He has comprehensive experience as lecturer of mathematics. Under his guidance, number of students obtained their doctorate degrees.

S. Ranganatham was head of the department of mathematics in Jawahar Bharati in Kavali which was recognised as prime college by UGC. He has over 35 years of teaching mathematics for engineering and degree students. He obtained his M. Phil from SV University Tirupati.

Dr. M.V.S.S.N. Prasad was a lecturer in technical education of Govt of A.P. He obtained his Ph.D from SV University Tirupati. He is now Principal of Government Polytechnic. He wrote many books in mathematics for polytechnic students.



Differential Equations and Vector Calculus

Dr. T.K.V. Iyengar
Dr. B. Krishna Gandhi
S. Ranganatham
Dr. M.V.S.S.N. Prasad

ISBN: 9789352838264 | Code: 9789352838264 | Price: ₹ 350
Pages: 512 | Size: 6.75" X 9.5" (Paperback)

About the Book

There exist many problems in engineering and science which are governed by linear or nonlinear ordinary differential equations. The two forms of linear differential equations with variable coefficients which can be reduced to linear differential equations with constant coefficients by using proper substitutions, has been discussed. The linear partial differential equations of second and higher order with constant coefficients. These can be divided into two groups, homogeneous and non-homogeneous linear equations. In this book, how to solve such type equations has been elaborately described. In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector functions in a simple and natural way. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the benefit of the students

Key Features

- The two forms of linear differential equations with variable coefficients which can be reduced to linear differential equations with constant coefficients by using proper substitutions, has been discussed. The linear partial differential equations of second and higher order with constant coefficients. These can be divided into two groups, homogeneous and non-homogeneous linear equations. In this book, how to solve such type equations has been elaborately described.
- In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector functions in a simple and natural way.
- Previous GATE questions at the end of each chapter for the benefit of the students.
- Questions with answers from latest question papers of JNTU A, have been inserted at proper places.
- The objective type questions have been given at the end of each unit

Contents

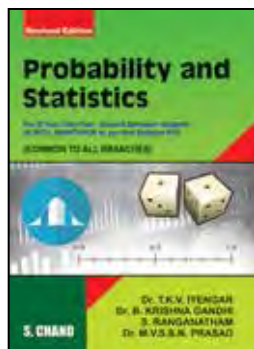
1. Linear Differential Equations of Higher Order, 2. Equations Reducible to Linear Differential Equations, 3. Partial Differential Equations of First Order, 4. Partial Differential Equations of Higher Order, 5. Vector Differentiation and Vector Operators, 6. Vector Integration, 7. Vector Integral Theorems

Dr. T.K.V. Iyengar was working in the department of Mathematics of NIT, Warangal. He has experience of 40 years in teaching mathematics for engineering students. He has enlightened the applications of mathematics in engineering. Under his guidance, number of students obtained their doctorate degrees.

Dr. B. Krishna Gandhi was head of the department of mathematics in JNTU, Hyderabad. He was Vice Chancellor of JNTU Ananthapur. He has comprehensive experience as lecturer of mathematics. Under his guidance, number of students obtained their doctorate degrees.

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Dr. M.V.S.S.N. Prasad was a lecturer in technical education of Govt of A.P. He obtained his Ph.D from SV University Tirupati. He is now Principal of Government Polytechnic. He wrote many books in mathematics for polytechnic students.



Probability and Statistics

Dr T. K. V. Iyengar
Dr B. Krishna Gandhi
S. Ranganatham
Dr MVSSN Prasad

ISBN: 9789352838271

Code: 9789352838271

Price: ₹ 350 | Pages: 592

Size: 6.75" X 9.5" (Paperback)

About the Book

Data science is the practice of using statistical techniques, regression models, machine learning and deep learning algorithms to produce advanced insights and build predictive applications. All software applications are intended to increase productivity and efficiency by automating human activity. Traditionally, these tasks needed to be repetitive in nature and based on a deterministic set of rules. An example would be an accounting system that can take sales and expenses and automatically create a balance sheet. The intent of data science applications is to automate tasks that require human judgement and are not driven by deterministic rules. Data science is a powerful discipline that can deliver great value to enterprises. It can be applied to a variety of domains and there are specialized domain specific techniques available. But data science problems are open-ended and require experimentation and an active spirit of enquiry. Statistics is a tool in the hands of mankind to translate complex facts into simple and understandable statement of facts. Both these approaches are used in this book with examples to explain the concepts. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the benefit of the students

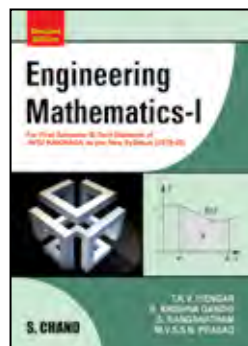
Key Features

- Data science and statistics, both these approaches are used in this book with examples to explain the concepts.
- In this book, the importance of statistical analysis has been explained with examples.
- Previous GATE questions at the end of each chapter for the benefit of the students.
- Questions with answers from latest question papers of JNTU A, have been inserted at proper places.
- The quiz questions have been given at the end of each unit.

Contents

1. Descriptive Statistics, 2. Measures of Central Tendency and Variability, 3. Correlation 4. Regression, 5. Probability, 6. Random Variables & Distribution Functions, 7. Probability Distributions, 8. Estimation, 9. Testing of Hypothesis (Large Sample Tests), 10. Test of Significance (Small Sample Tests) • Statistical Tables

Books for JNTU Kakinada



Engineering Mathematics-I

T.K.V. Iyengar
B. Krishna Gandhi
S. Ranganatham
M.V.S.S.N. Prasad

ISBN: 9789352837861 | Code: 9789352837861 | Price: ₹ 399

Pages: 680 | Size: 6.75" X 9.5" (Paperback)

About the Book

This textbook "Engineering Mathematics – I JNTU K" has been written strictly according to the revised syllabus (R19) of First year (First Semester) B.Tech students of JNTU, Kakinada. This edition is an improvement on the earlier edition, made with some topics have been updated and inclusion of previous Question Paper problems at appropriate places and also Previous GATE Questions at the end of each chapter for the benefit of the students. The treatment of all topics has been made as simple as possible and in some instances with detailed explanation as the book is meant to be understood with a minimum effort on the part of the reader.

Key Features

- The book is written strictly according to the revised syllabus of JNTU Kakinada.
- Theory is explained in a lucid manner using good number of examples.
- Latest questions from question paper are used at appropriate places.
- At the end of each chapter, latest questions from GATE question, are included.
- Model question papers are given for the student to prepare for the GATE examination.
- Previous question papers are fully solved and appended at the end.

Contents

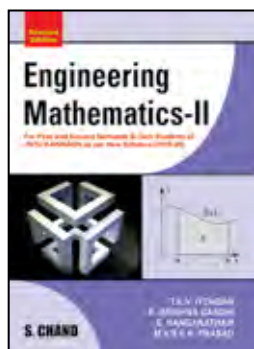
1. Sequences and Series, 2. Mean Value Theorems, 3. Differential Equations of First Order and First Degree, 4. Linear Differential Equations of Higher Order, 5. Partial Differentiation, 6. Multiple Integrals

T.K.V. Iyengar was working in the department of Mathematics of NIT, Warangal. He has experience of 40 years in teaching mathematics for engineering students. He has enlightened the applications of mathematics in engineering. Under his guidance, number of students obtained their doctorate degrees.

B. Krishna Gandhi was head of the department of mathematics in JNTU, Hyderabad. He was Vice Chancellor of JNTU Ananthapur. He has comprehensive experience as lecturer of mathematics. Under his guidance, number of students obtained their doctorate degrees.

S. Ranganatham was head of the department of mathematics in Jawahar Bharati in Kavali which was recognised as prime college by UGC. He has over 35 years of teaching mathematics for engineering and degree students. He obtained his M. Phil from SV University Tirupati.

M.V.S.S.N. Prasad was a lecturer in technical education of Govt of A.P. He obtained his Ph. D from SV University Tirupati. He is now Principal of Government Polytechnic. He wrote many books in mathematics for polytechnic students.



Engineering Mathematics-II

T.K.V. Iyengar
B. Krishna Gandhi
S. Ranganatham
M.V.S.S.N. Prasad

ISBN: 9789352837939 | Code: 9789352837939 | Price: ₹ 450
Pages: 776 | Size: 6.75" X 9.5" (Paperback)

About the Book

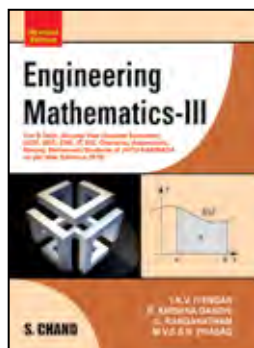
It gives us great pleasure to bring out the Third edition of the book "Engineering Mathematics-II". The earlier editions have received positive response from the teachers and the students. This textbook has been written strictly according to the revised syllabus (R19) of First year - First Semester (Civil, Mechanical, Automobile, Chemical, Mining and Petroleum) & Second Semester (CSE, ECE, EEE, EIE, IT) B.Tech students of JNTU, Kakinada. This edition is an improvement on the earlier edition, made with some topics have been updated and inclusion of Previous Question Paper problems at appropriate places and also Previous GATE Questions at the end of each chapter for the benefit of the students. The treatment of all topics has been made as simple as possible and in some instances with detailed explanation as the book is meant to be understood with a minimum effort on the part of the reader.

Key Features

- The book is written strictly according to the revised syllabus of JNTU Kakinada.
- Theory is explained in a lucid manner using good number of examples.
- Latest questions from question paper are used at appropriate places.
- At the end of each chapter, latest questions from GATE question, are included.
- Model question papers are given for the student to prepare for the GATE examination.
- Previous question papers are fully solved and appended at the end.

Contents

1. Real and Complex Matrices and Linear System of Equations, 2. Eigen Values and Eigen Vectors, 3. Quadratic Forms, 4. Solution of Algebraic and Transcendental Equations, 5. Interpolation, 6. Numerical Integration, 7. Numerical Solution of Ordinary Differential Equations



Engineering Mathematics-III

T. K. V. Iyengar
B. Krishna Gandhi
S. Ranganatham
M.V.S.S.N. Prasad

ISBN: 9789352838202
Code: 9789352838202
Price: ₹ 450 | Pages: 824
Size: 6.75" X 9.5" (Paperback)

About the Book

In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector

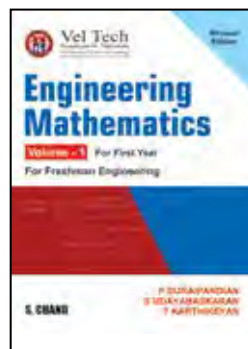
functions in a simple and natural way. The new concepts of gradient, divergence and curl are introduced. Line, surface and volume integrals which occur frequently in connection with physical and engineering problems are defined. Three important vector integral theorems, Gauss divergence theorem, Green's theorem in plane and Stokes theorem are discussed. The idea of Laplace transform to develop some useful results has been introduced also demonstrated how the Laplace transform technique is used in solving a class of problems in differential equations. Fourier series is an infinite series representation of a periodic function in terms of sines and cosines of an angle and its multiples. How Fourier series is useful to solve ordinary and partial differential equations particularly with periodic functions appearing as non-homogeneous terms has been discussed. This book comprises previous question papers problems at appropriate places and also previous GATE questions at the end of each chapter for the benefit of the students.

Key Features

- In this book, vector differential calculus is considered, which extends the basic concepts of (ordinary) differential calculus, such as, continuity and differentiability to vector functions in a simple and natural way.
- The new concepts of gradient, divergence and curl are introduced.
- Three important vector integral theorems, Gauss divergence theorem, Green's theorem in plane and Stokes theorem are discussed.
- Laplace transform technique is used in solving a class of problems in differential equations.
- Previous GATE questions at the end of each chapter for the benefit of the students.
- Questions with answers from latest question papers of JNTU K, have been inserted at proper places.
- The objective type questions have been given at the end of each unit.

Contents

1. Vector Differentiation, 2. Vector Integration, 3. Vector Integral Theorems, 4. Laplace Transforms, 5. Inverse Laplace Transforms, 6. Fourier Series, 7. Fourier Transforms, 8. First Order Partial Differential Equations, 9. Second and Higher Order Partial Differential Equations, 10. Applications of Partial Differential Equations



Engineering Mathematics Vol-1

P. Duraipandian
S. Udayabaskaran
T. Karthikeyan

ISBN: 9789352837847
Code: 9789352837847
Price: ₹ 399 | Pages: 404
Size: 6.75" X 9.5" (Paperback)

About the Book

The book is in accordance with the First year syllabus of Vel Tech Rangarajan & Dr. Sagunthala, R & D Institute of Science and Technology. The solved sums and the exercise sums in the book are sums from various university examinations. A special feature of the book is that it is exhaustive in contents and the elementary and fundamental concepts which can be asked as short questions are enlightened by laying stress on them or by expressing them strikingly as notes or remarks.

Key Features

- The solved and exercise sums in the book are from various university examinations.
- A special feature of the book is that it is exhaustive in contents and the elementary and fundamental concepts which can be asked as short questions are enlightened by laying stress on them or by expressing them strikingly as notes or remarks.

Contents

1. Matrices, 2. Sequences and Series, 3. Differential Calculus of Functions of Several Variables, 4. Integral Calculus of Functions of Several Variables, 5. Ordinary Differential Equations, 6. Files, Modules, Package

P Duraipandian served as a very popular and senior mathematician in Tamil Nadu Government Educational Service for more than four decades. He had his college education in The Madura College (Madurai), The American College (Madurai) and The Madras Christian College (Chennai). He entered the teaching profession in the year 1958 as a lecturer in Mathematics at Sangameshwar College, Sholapur (affiliated to Poona University) and then continued teaching Mathematics in various Government Colleges affiliated to Madras University. He authored several books on various topics in mathematics and his love for perfection and simplicity is reflected in all his books.

S Udayabaskaran is presently serving as a senior professor of Mathematics in Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Avadi, Chennai 600 062. He entered the teaching profession in the year 1970 as an associate lecturer in mathematics at Coimbatore Institute of Technology, Coimbatore and then continued teaching mathematics in various Government Colleges affiliated to Madras University. Before moving to the present institution, he served as a reader in mathematics at Presidency College (autonomous), Chennai for more than a decade. He had his college education, B.Sc. Mathematics at Agurchand Manmull Jain College (Chennai), M.Sc. & Ph.D. Mathematics at Indian Institute of Technology (Madras), Chennai. He has published over 50 research papers in reputed journals. His field of research includes applications of stochastic differential equations, branching processes, and point processes in engineering and biological problems.

T Karthikeyan is presently working as Assistant Professor of Mathematics at Rama Krishna Mission Vivekananda College, Mylapore, Chennai. He had his college education, B.Sc. at Muthuram Government College (Vellore), M.Sc Mathematics at Voorhees College (Vellore), M.Phil Mathematics at Ramakrishna Mission Vivekananda College (Mylapore, Chennai) and Ph.D. Mathematics at Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Avadi, Chennai 600 062). He has teaching experience over 20 years and published over 10 research papers in reputed journals. His field of research includes applications of branching processes and point processes in engineering and biological problems.

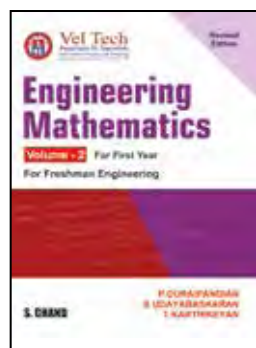
Contents

1. Laplace Transform, 2. Vector Differential Calculus, 3. Vector Integral Calculus, 4. Analytic Functions, 5. Complex Integration

Professor P Duraipandian served as a very popular and senior mathematician in Tamilnadu Government Educational Service for more than four decades. He had his college education in The Madura College (Madurai), The American College (Madurai) and The Madras Christian College (Chennai). He entered the teaching profession in the year 1958 as a lecturer in mathematics at Sangameshwar College, Sholapur (affiliated to Poona University) and then continued teaching mathematics in various government colleges affiliated to Madras University. He authored several books on various topics in mathematics and his love for perfection and simplicity is reflected in all his books.

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Engineering Mathematics Vol-2

P Duraipandian
S Udayabaskaran
T Karthikeyan

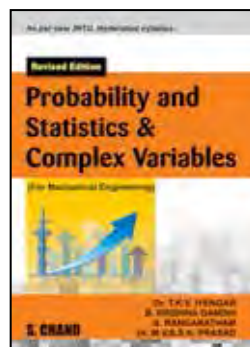
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Size: 6.75" X 9.5" (Paperback)

About the Book

The book is in accordance with the First year syllabus of Vel Tech Rangarajan & Dr. Sagunthala, R & D Institute of Science and Technology. The solved sums and the exercise sums in the book are from various university examinations. A special feature of the book is that it is exhaustive in contents and the elementary and fundamental concepts which can be asked as short questions are enlightened by laying stress on them or by expressing them strikingly as notes or remarks.

Key Features

- The solved and exercise sums are from various university examinations.
- A special feature of the book is that it is exhaustive in contents.
- The elementary and fundamental concepts which can be asked as short questions are highlighted.



Probability and Statistics & Complex Variables

Dr T.K.V. Iyengar
Dr B. Krishna Gandhi
S. Ranganadham
Dr M.V.S.S.N. Prasad

ISBN: 9789352837489 | Code: 9789352837489 | Price: ₹ 350
Pages: 728 | Size: 6.75" X 9.5" (Paperback)

About the Book

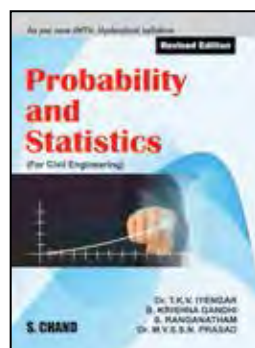
The book "Probability and Statistics & Complex Variables", has been written strictly according to the latest syllabus (R-18) prescribed by Jawaharlal Nehru Technological University, Hyderabad for B. Tech. second year first semester students of Mechanical, Mechatronics, Mining, Petroleum, Metallurgical and Materials Engineering. An important feature is the inclusion of previous GATE questions at the end of each of chapter for the benefit of students. Questions from latest question papers of JNTU H, Hyderabad have been inserted at proper places. The objective type questions have been given at the end of each unit.

Key Features

- The book is strictly according to the latest syllabus (R-18) prescribed by Jawaharlal Nehru Technological University, Hyderabad for B. Tech. II year First Semester students of Mechanical, Mechatronics, Mining, Petroleum, Metallurgical and Materials Engineering.
- Previous GATE Questions at the end of each chapter for the benefit of the students.
- Questions from latest question papers of J.N.T.U., Hyderabad have been inserted at proper places.
- The Objective type questions have been given at the end of each unit.

Contents

1. Matrices, 2. Eigen Values and Eigen Vectors, 3. Sequences & Series, 4. Calculus, 5. Multivariable Calculus (Partial Differentiation and applications), Solutions to JNTU (H) - Dec. 2018 Question Paper



Probability and Statistics

Dr T.K.V. Iyengar
Dr B. Krishna Gandhi
S. Ranganadham
Dr. M.V.S.S.N. Prasad

ISBN: 9789352837496 | Code: 9789352837496 | Price: ₹ 299
Pages: 528 | Size: 6.75" X 9.5" (Paperback)

About the Book

The book "Probability and Statistics", has been written strictly according to the latest syllabus (R-18) prescribed by Jawaharlal Nehru Technological University, Hyderabad for B.Tech. second year first semester students of Mechanical, Mechatronics, Mining, Petroleum, Metallurgical and Materials Engineering. An important feature is the inclusion of previous GATE questions at the end of each of chapter for the benefit of students. Questions from latest question papers of JNTU H, Hyderabad have been inserted at proper places. The objective type questions have been given at the end of each unit.

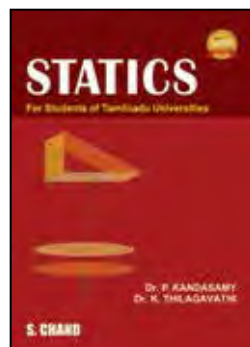
Key Features

- The book is strictly according to the latest syllabus (R-18) prescribed by Jawaharlal Nehru Technological University, Hyderabad for B. Tech. II year First Semester students of Civil Engineering.
- Previous GATE Questions at the end of each chapter for the benefit of the students.
- Questions from latest question papers of J.N.T.U., Hyderabad have been inserted at proper places.
- The Objective type questions have been given at the end of each unit.

Contents

1. Basic Probability, 2. Discrete Probability Distributions, 3. Continuous Random variables & Distributions, 4. Applied Statistics, 5. Testing of Hypothesis, Statistical Tables

Book for Tamilnadu Universities



Statics

Dr. P. Kandasamy
Dr. K. Thilagavathi

ISBN: 9789352830343
Code: 9789352830343
Price: ₹ 175 | Pages: 300
Size: 6.75" X 9.5" (Paperback)

About the Book

This book has been written in conformity with the revised syllabus of various Universities. Numerous typical examples have been worked out. Problems from the question papers of the various universities all over India have been set at appropriate places.

Key Features

- Numerous typical examples given
- Problems from the question paper of the various university included.
- Book on statics has the distinctive feature of vectorial treatment.

Contents

1. Basic Concepts and Principles, 2. Forces acting on a particle, 3. Parallel Forces, Moments, Couples, 4. Coplanar Forces acting on a rigid body, 5. Friction, 6. Center of Gravity, 7. Virtual Work, 8. Stable and Unstable Equilibrium, 9. Equilibrium off strings and chains, 10. Forces in three dimensions

Dr. P. Kandasamy, M.A., Ph. D., former professor of Mathematics, P. S.G. College of Technology, Coimbatore, Visiting Professor, Amirtha Vishwa Vidyapeetham(University), Coimbatore.

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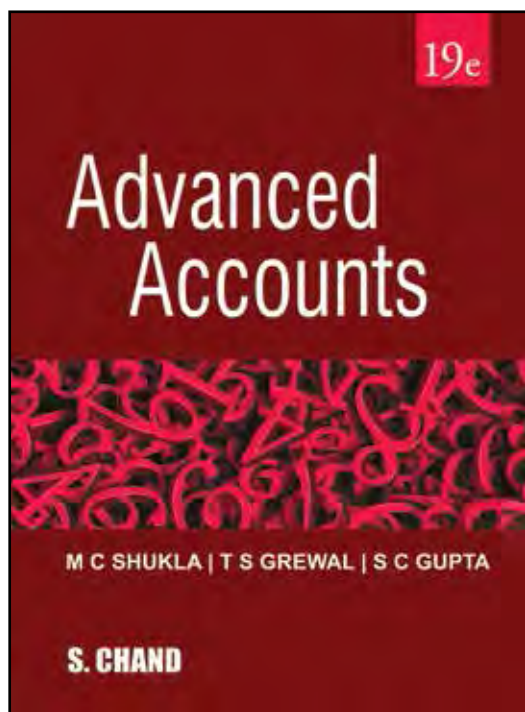
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Advanced Accounts, 19e

M C Shukla, T S Grewal & S C Gupta

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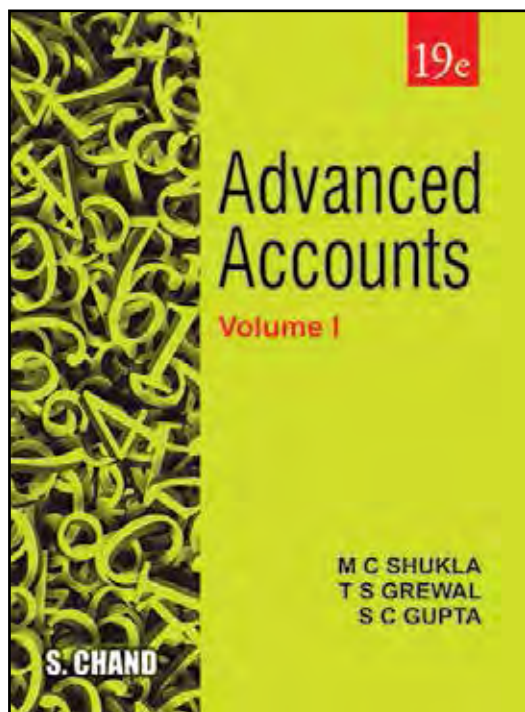
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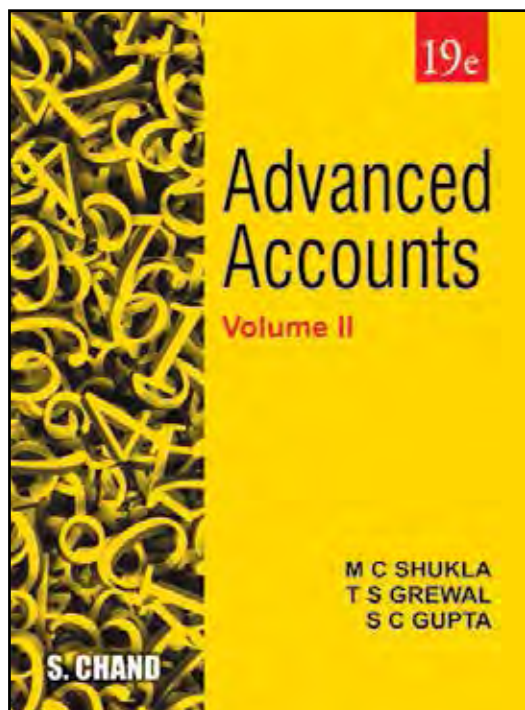
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M C Shukla, T S Grewal & S C Gupta

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एडवांस्ड एकाउन्ट्स-खण्ड I, 11e

एम सी शुक्ला, टी एस ग्रेवाल,

एम पी गुप्ता एवं बी एम अग्रवाल

पुस्तक के विषय में

अत्यन्त सरल एवं सुबोध भाषा में लिखी गयी इस पुस्तक में वित्तीय लेखांकन के विविध पहलुओं पर विस्तार से चर्चा की गयी है एवं वित्तीय लेखांकन के आधारभूत सिद्धान्तों की विस्तृत विवेचना की गयी है।

प्रमुख विशेषताएँ

- वित्तीय लेखांकन का विस्तृत एवं प्रामाणिक विवेचन दिया गया है।
- कॉर्पोरेट अधिनियम एवं लेखांकन प्रमाणों में हुए संशोधनों के अनुरूप विषय-वस्तु में आवश्यक संशोधन किया गया है
- लीज़ फाइनेंस के प्रकरण को संशोधित किया गया है
- किराया-क्रय अधिनियम के प्रावधानों को स्पष्ट किया गया है
- विनियोग खातों में राइट के विक्रय में संशोधन किया गया है
- विभिन्न परीक्षाओं में पूछे गये महत्वपूर्ण प्रश्नों का समावेश किया गया है।
- 450 से अधिक उदाहरण, 122 व्याख्यात्मक एवं 340 क्रियात्मक प्रश्न दिये गये हैं।

एकाउन्टैसी के विद्यार्थियों के अतिरिक्त, यह पुस्तक विभिन्न प्रोफेशनल कोर्सेज़ जैसे सीए, तथा सीएमए आदि के विद्यार्थियों के लिए भी उपयोगी है। साथ ही आईएएस, तथा अन्य प्रतियोगी परीक्षाओं के अभ्यर्थी भी इससे लाभान्वित होंगे।

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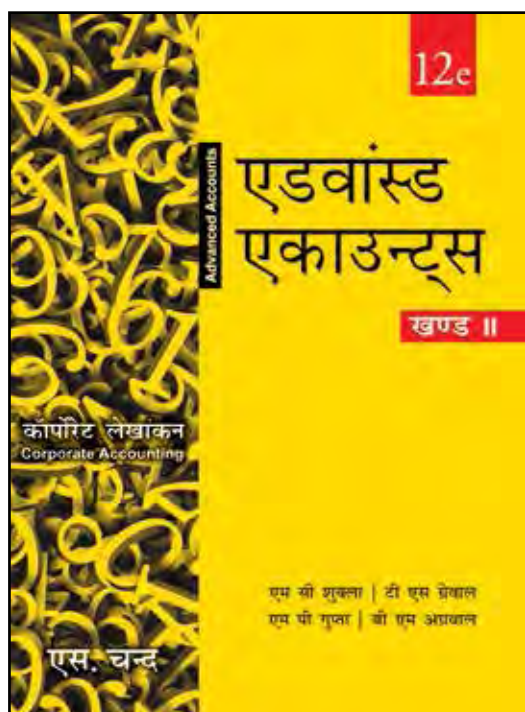
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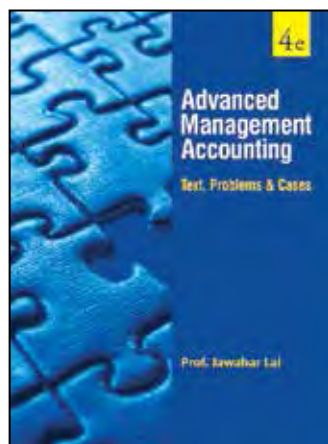
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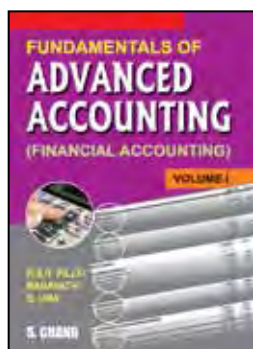
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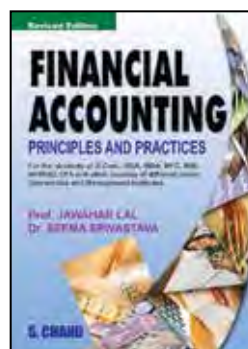
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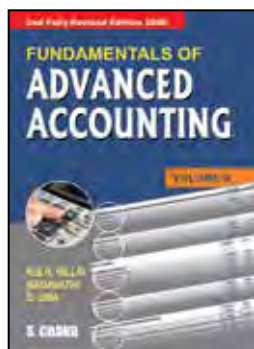
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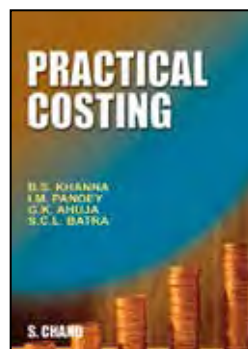
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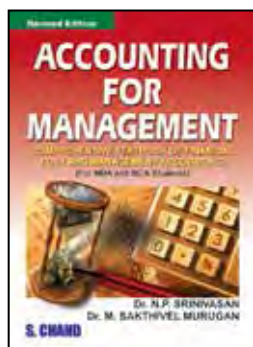
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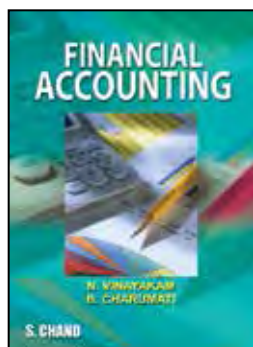
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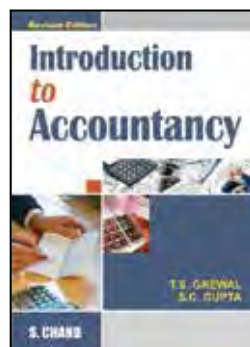
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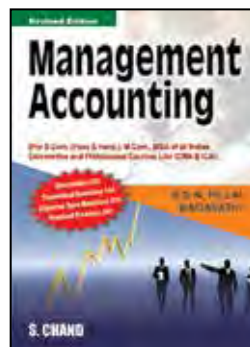
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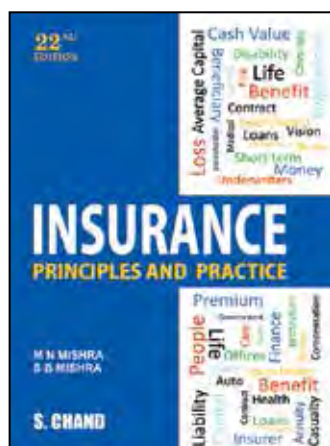
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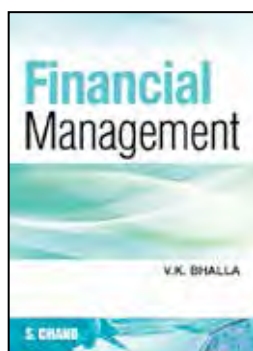
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M N Mishra, Professor, Corporate Studies, Faculty of Commerce, Banaras Hindu University, Varanasi.



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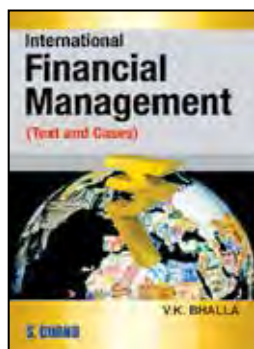
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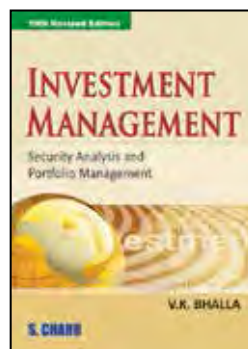
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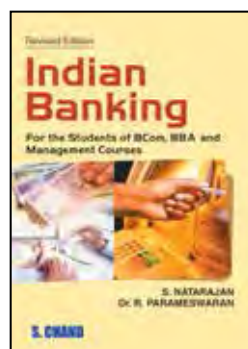
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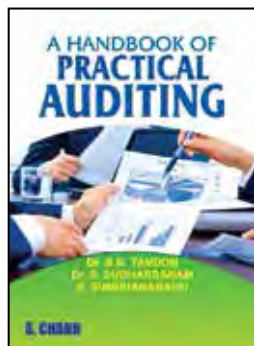
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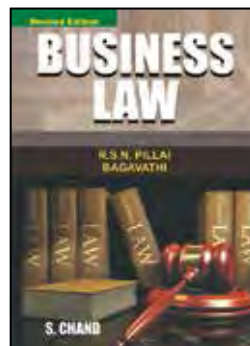
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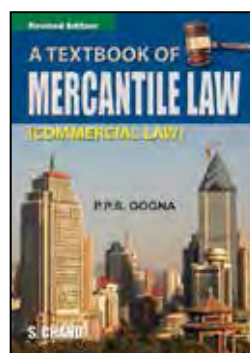
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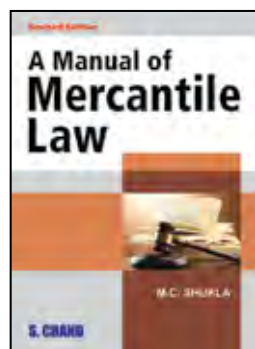
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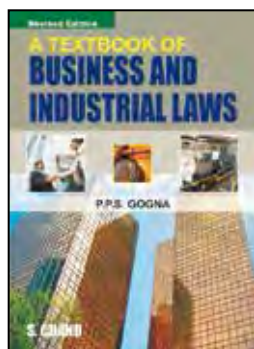
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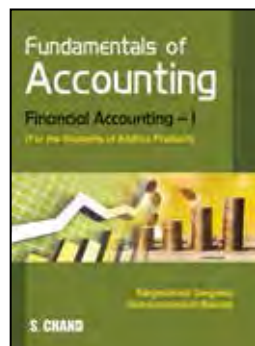
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Dr. Ranganatham Gangineni is an Assistant Professor of Commerce at Govt. College(Autonomous), Ananthapuramu. He has been teaching Financial Accounting, Corporate Accounting, Business Statistics, Cost & Management Accounting, Financial Management, and SAPM since 2003. He has written 04 books, published 24 research papers in various national and international reputed journals, and presented more than 30 papers in national and international seminars and conferences, chaired few technical sessions in seminars, besides participating in a good number of workshops. At present, two students are pursuing Doctoral research under his guidance. The author has organized a National Seminar sponsored by ICSSR, New Delhi and successfully completed one Minor Research Project sponsored by UGC-SERO, Hyderabad.

Dr. Venkataramanaiah Malepati obtained M.Com., M.Phil., and PhD from Sri Venkateswara University, Tirupati and MBA from Pondicherry University, Pondicherry. Presently, he is working for Department of Commerce, Govindaraja Swami Arts College, Tirupati. He has been teaching Financial Management, Securities and Portfolio Management, and Fundamentals of Accounting for the last decade and a half. He has published 03 books besides 36 research papers in referred national and international journals. He edited a book and prepared study material for two subjects for Sri Venkateswara University, Tirupati.



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Dr. Ranganatham Gangineni is an Assistant Professor of Commerce at Govt. College (Autonomous), Ananthapuramu. He obtained M.Com. with Gold Medal from Sri Venkateswara University, Tirupati and M.B.A. from Pondicherry University, Pondicherry and also cleared National Eligibility Test (NET) in both Commerce and Management. He got Ph.D., from Sri Krishna Devaraya University, Ananthapuramu. He has been teaching Financial Accounting, Corporate Accounting, Business Statistics, Cost & Management Accounting, Financial Management, and SAPM since 2003. He has so far, written 05 books, published 24 research papers in reputed national and international journals, and presented more than 30 papers in national and international seminars and conferences, chaired a few technical sessions in seminars, besides participating in a good number of workshops. At present, he is supervising the research of two research scholars. The author has organized a National Seminar sponsored by ICSSR, New Delhi and has successfully completed one Minor Research Project sponsored by UGC-SERO, Hyderabad.

Dr. Venkataramanaiah Malepati obtained M.Com. MPhil and PhD from Sri Venkateswara University, Tirupati and MBA from Pondicherry University, Pondicherry. He has cleared National Eligibility Test (NET) in both Commerce and Management and State Eligibility Test (SET) in Commerce. He got National Merit Scholarship for graduation and won Gold Medal at Masters. He earned Doctoral Fellowship from ICSSR, New Delhi for his research during 2010-13. He started as Lecturer in Commerce, Dravidian University, and Kuppam. Later, he worked for the Department of Accounting and Finance, University of Gondar, Ethiopia in different capacities. Presently, he is working for Department of Commerce, Govindaraja Swami Arts College, and Tirupati. He has been teaching Financial Management, Securities and Portfolio Management, and Fundamentals of Accounting for the last decade and a half. He has published 04 books besides 36 research papers in refereed national and international journals. He edited a book and prepared study material for two subjects for Sri Venkateswara University, Tirupati.



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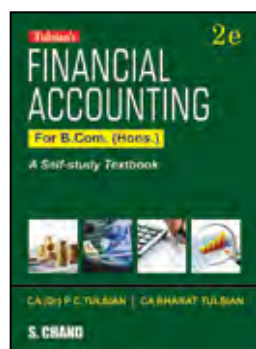
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Dr. V.R. Palanivelu, MBA, M. Com., M.Phil, Ph. D., Reader, Periyar Institute of Management Studies(PRIMS), Periyar University, Salem, Tamil Nadu.



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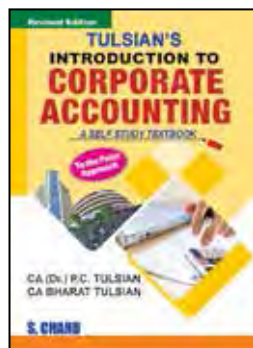
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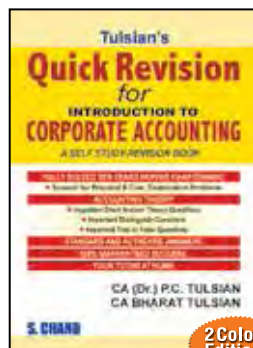


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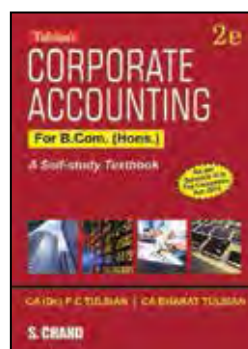
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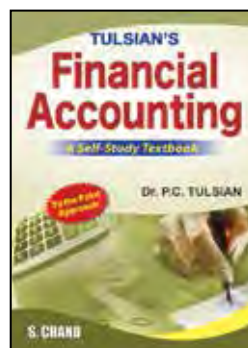
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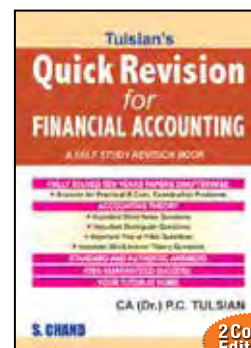


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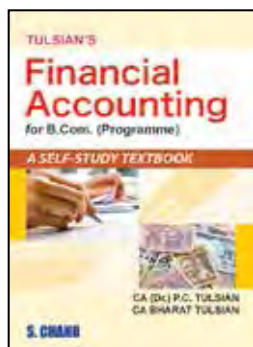
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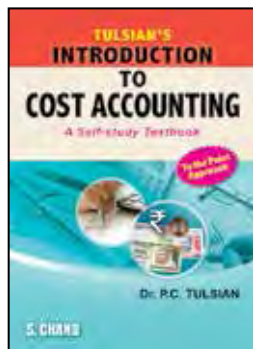
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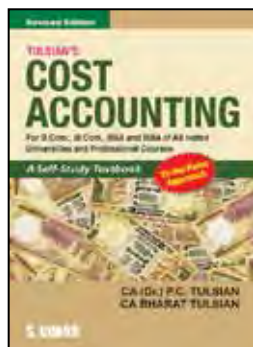
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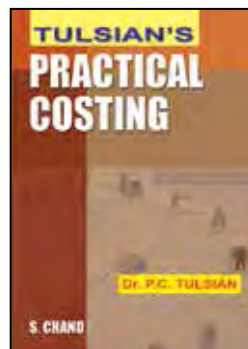
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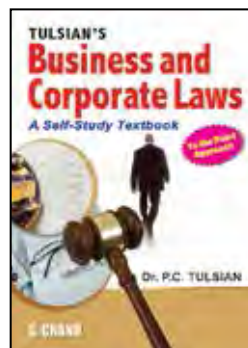
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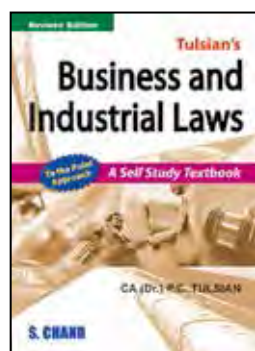
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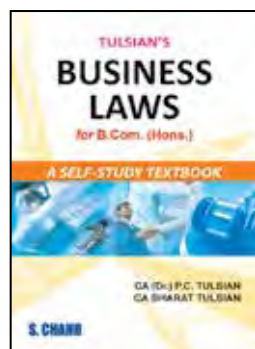
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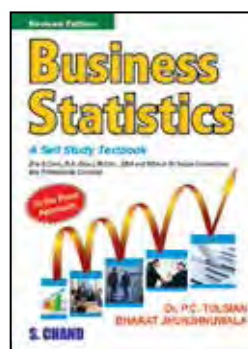
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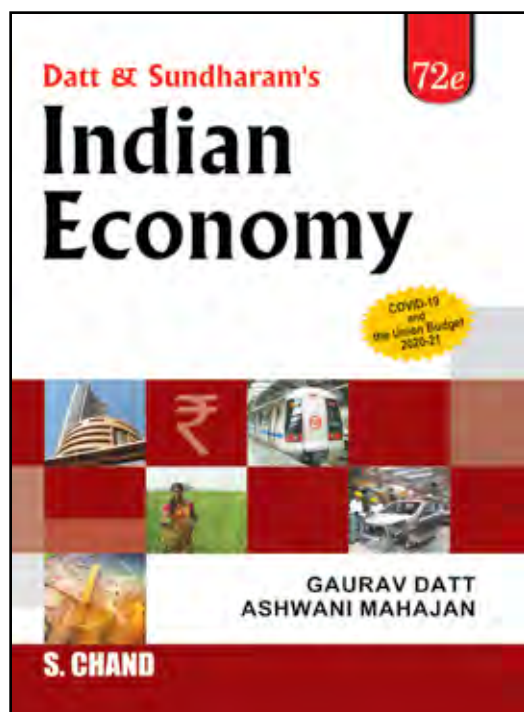
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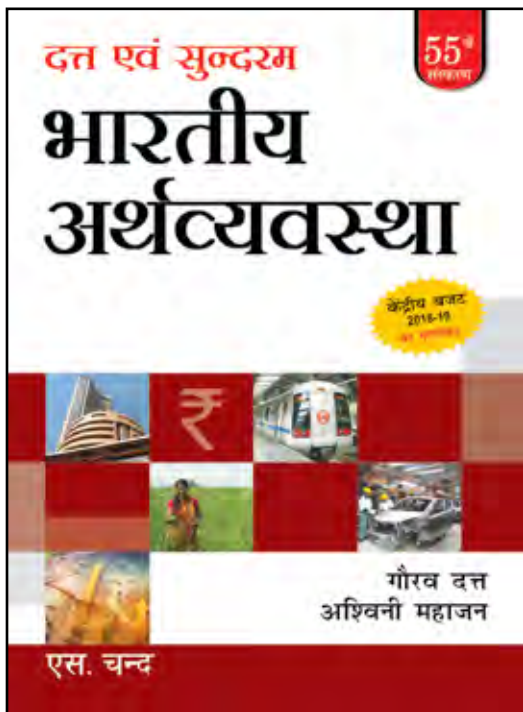
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Macroeconomics, 20e

H L Ahuja

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Macroeconomics - Theory and Policy provides a comprehensive coverage of all the important theories and policies of macroeconomics. The book is an exhaustive text for understanding all the relevant concepts and current developments in the subject. It traces the relevance of Keynesian theories to the developing economies and has critically examined the post-Keynesian developments.

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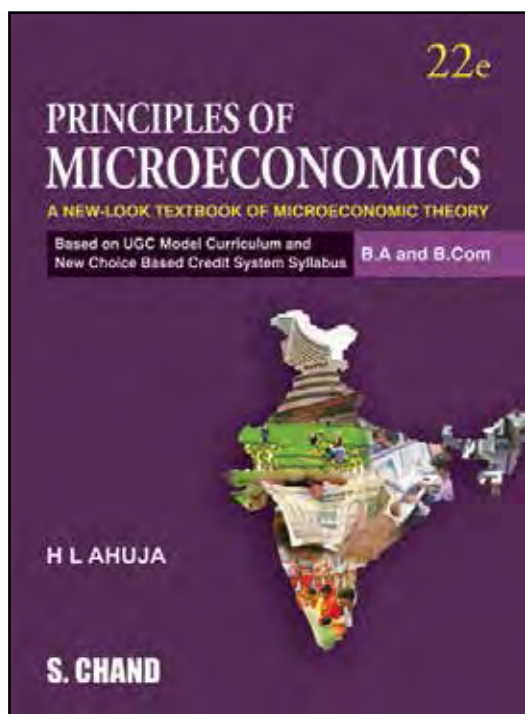
- Incorporates the latest trends and tendencies in macroeconomic analysis and policy
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.

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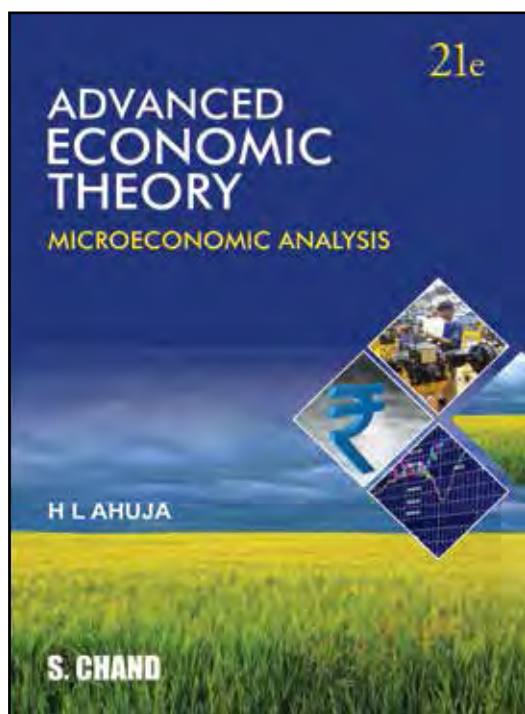
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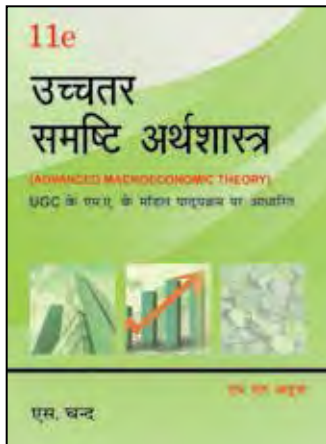
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एच एल आहूजा

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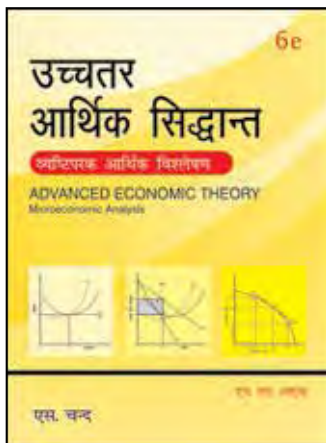
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उच्चतर आर्थिक सिद्धान्त 6e

एच एल आहूजा

पुस्तक के विषय में

भारतीय विश्वविद्यालयों के एम.ए. (अर्थशास्त्र) तथा एम.कॉम. के विद्यार्थियों के लिए अत्यंत सरल एवं सुबोध भाषा में लिखी गयी इस पुस्तक में आर्थिक सिद्धान्तों की नवीनतम तथा आधुनिक प्रवृत्तियों एवं दृष्टिकोणों की व्यापारिक विश्लेषणात्मक व्याख्या की गयी है। इसमें न केवल माँग, उत्पादन, लागत तथा वितरण के सिद्धान्तों की बल्कि विभिन्न मार्केट ढाँचों में कीमत-निर्धारण एवं सामान्य संतुलन विश्लेषण तथा कल्याणकारी अर्थशास्त्र की आलोचनात्मक समीक्षा की गयी है। यह पुस्तक आई.एस.ए. एवं पी.सी.एस. के अभ्यर्थियों के लिए भी उपयोगी सिद्ध होगी।

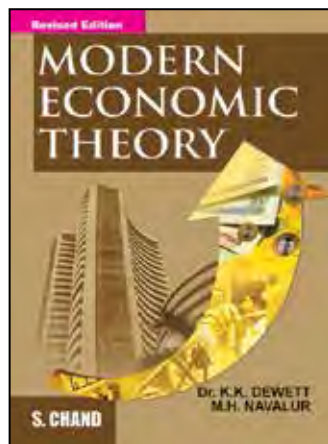
प्रमुख विशेषताएं:

- अर्थव्यवस्था की केन्द्रीय समस्याओं तथा उत्पादन संभावना वक्र के उपयोग की विस्तार से व्याख्या।
- मुक्त मार्केट अर्थव्यवस्था तथा उसके संचालन में कीमत प्रणाली की भूमिका का स्पष्टीकरण।
- रेखीय प्रायोजन के अन्तर्गत द्वैत समस्या तथा आहार समस्या का संशोधित विवरण।
- कीमत-निर्धारण के एकाधिकार, एकाधिकारिक प्रतियोगिता तथा अल्पाधिकार के अनेक मॉडलों की विस्तार से विवेचना।
- सामान्य संतुलन विश्लेषण एवं कल्याण अर्थशास्त्र में पेरटो मानदण्ड तथा पेरटो अनुकूलतम का विस्तृत अध्ययन।

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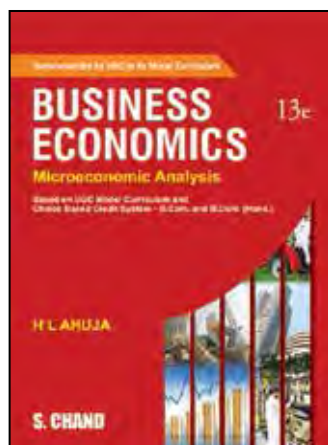
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K K Dewett, Formerly Head of Department - Economics, Chandigarh.

M H Navalur, Professor, Department of Economics, Maharashtra College of Science and Commerce, Mumbai.



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H L Ahuja

About the Book

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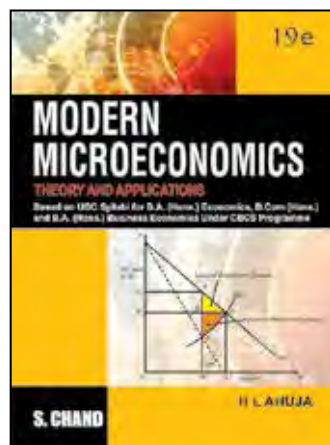
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



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H L Ahuja

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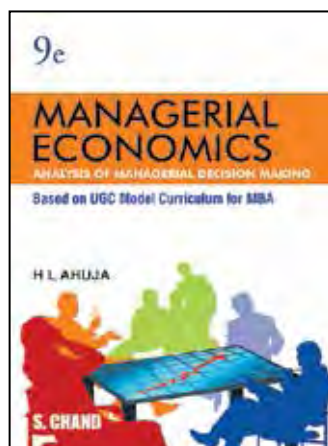
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H L Ahuja

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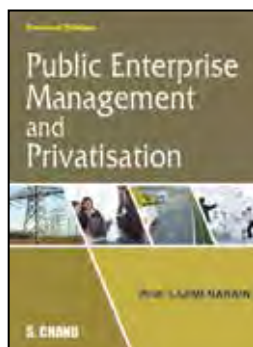
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



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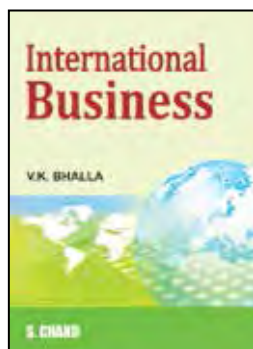
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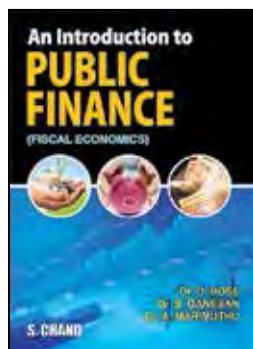
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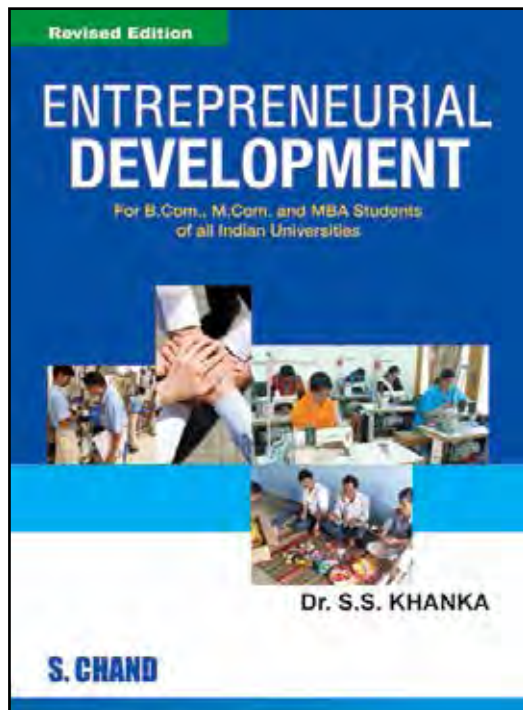
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S S Khanka, Professor (HR), University School of Management & Entrepreneurship, Delhi Technological University, Delhi.



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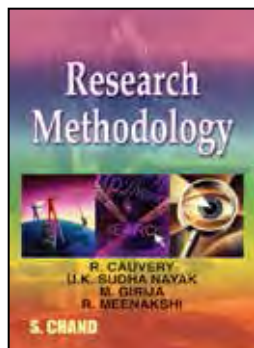
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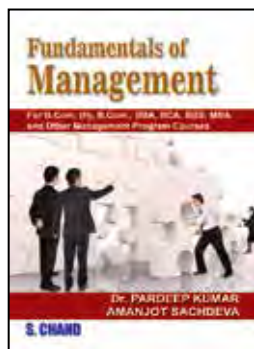
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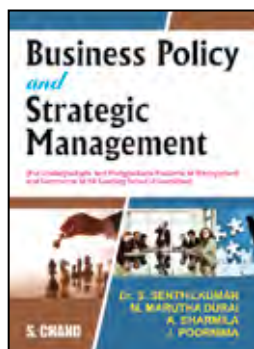
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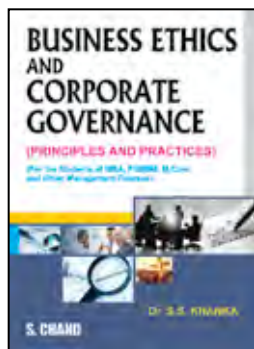
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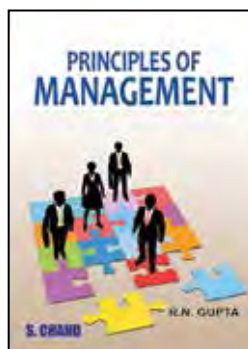
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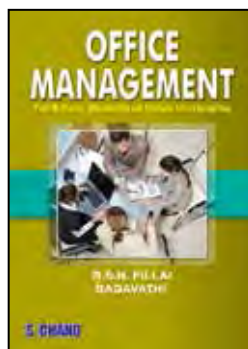
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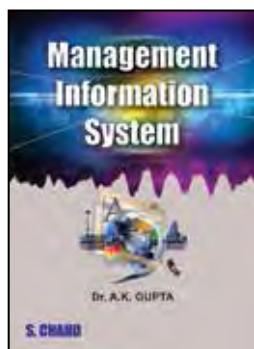
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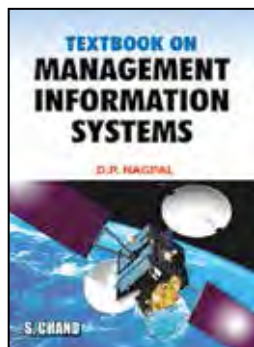
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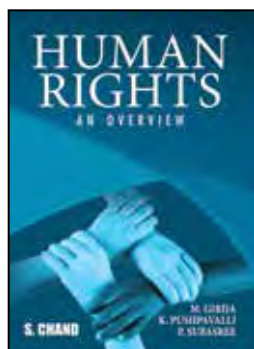
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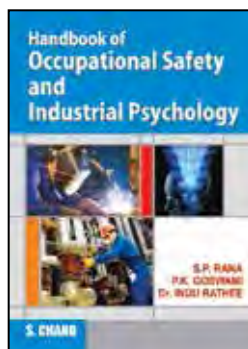
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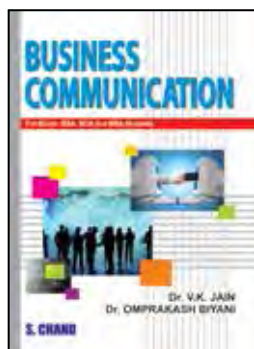
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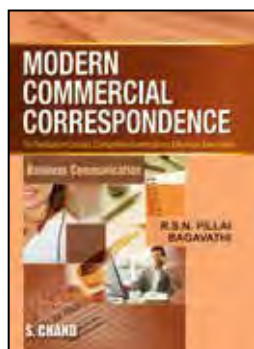
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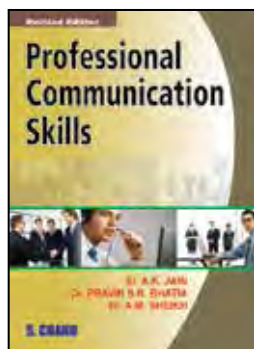
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A K Jain, Pravin S R Bhatia & A M Sheikh

ISBN: 9788121920926

Code: 1011C00793

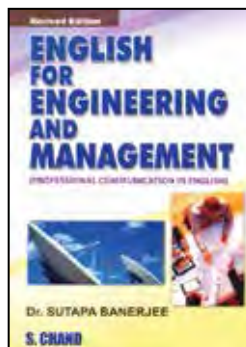
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Contents

1. Language as Skill of Communication, 2. Phonetics, 3. Articles, 4. The Preposition, 5. Tenses, 6. Subject-Verb Accord, 7. The Infinitive, 8. The Participle, 9. Clauses, 10. Degrees of Comparison, 11. Transformation of Sentences, 12. Direct and Indirect Speech, 13. Modifiers, 14. Sentence Connectives, 15. The Gerund, 16. Punctuation and Capitalisation, 17. Vocabulary, 18. Use of Abbreviations, 19. Correct Usage, 20. Eponym, 21. Concord, 22. Homophones, 23. Letter Writing, 24. Paragraph Writing, 25. Proposal Writing, 26. Verbal Communication, 27. Oral Presentation, 28. Technical Written Communication, 29. Forms of Technical Writing, 30. Report

Writing, 31. Advertising, 32. Precis Writing, 33. Collection of Short Essays, 34. Collection of Short Stories, 35. Interview Skills and Group Discussion, 36. Communication: Process & Elements, 37. Reading Comprehension, 38. Principles of Public Speaking, 39. How to Create a PowerPoint Presentation, 40. Speaking Skills, 41. Listening Skills
• Appendices: (i) Question Bank, (ii) Model Question Paper



English for Engineering and Management 2e

Sutapa Banerjee

ISBN: 9788121926034

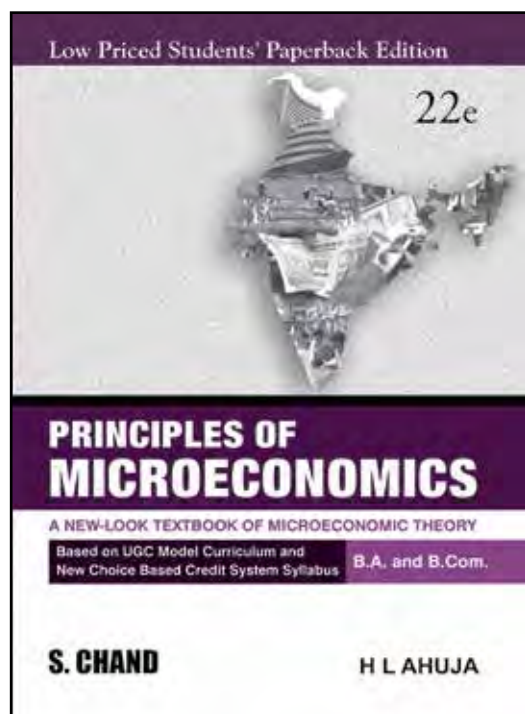
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Price: ₹ 85 | Pages: 144

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Contents

1. Introduction, 2. Written Communication, 3. Comprehension, 4. Oral Communication, 5. Group Discussion, 6. Conclusion • Question Papers

**Principles of Microeconomics, 22e**

H L Ahuja

Instructor's Resource available

About the Book

The book makes a comprehensive and analytical study of theories of demand, production/cost and determination of price and output of products in different market structures. It also discusses theory of factor pricing and income distribution as wages, rent, interest and profits. Above all, it critically analyses the conditions of economic efficiency and maximum social welfare and causes of market failures. It takes a further lead with this revision by aligning its contents with the prescribed UGC model curriculum and new Choice Based Credit System (CBCS) syllabus.

Key Features

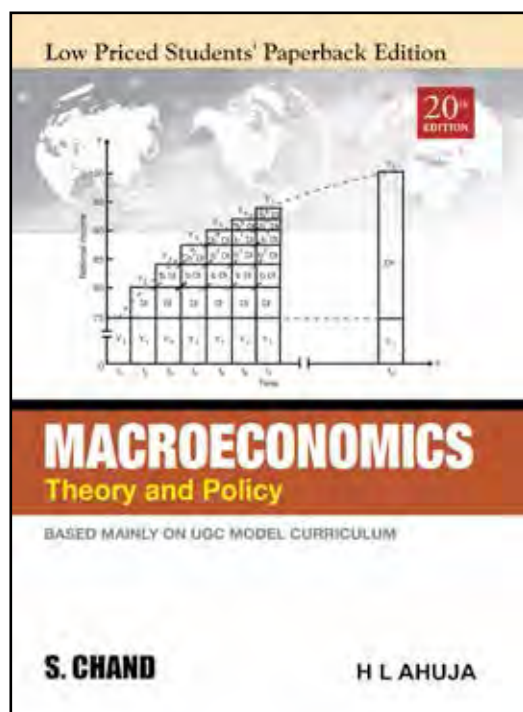
- Syllabi Relevant: Updated and revised topics as per UGC model curriculum and new Choice Based Credit System (CBCS) syllabus
- New Chapters: Production Process and Profit-Maximising Behaviour of firms; Economic Efficiency of Perfect Competition; Remedies of Monopoly; Market Failures and its Sources; Externalities and Market Failure; Public Goods and Market Failure; Problem of Imperfect Information and Market for Lemons and Social Choice and Role of Government
- Student Friendly Features: Clear and comprehensive presentation and extensive use of graphs to understandably illustrate the economic principles

ISBN: 9789352837311 | Code: 9789352837311 | Price: ₹ 375 | Pages: 872 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Introduction: 1. The Economic Problem: Scarcity and Choice, 2. The Scope of Economics, 3. The Methodology of Economics, 4. Free Market Economy and other Economic Systems, Part-II: Demand, Supply and Market Equilibrium: 5. Demand, Supply and Competitive Market Equilibrium, 6. Applications of Demand and Supply Analysis, 7. Elasticities of Demand and Supply, 8. Applications of Elasticities of Demand and Supply, Part-III: Theory of Consumer's Behaviour: 9. Consumer's Behaviour: Marshall's Cardinal Utility Analysis, 10. Consumer Surplus, 11. Indifference Curve Analysis of Demand, 12. Cardinal Utility Analysis vs Indifference Curve Analysis, 13. Applications and Uses of Indifference Curves, 14. Labour Supply and Saving Decisions, Part-IV: Theory of Production and Cost: 15. Production Process and Profit-Maximising Behaviour of Firms, 16. Factors of Production, 17. The Theory of Production: Returns to a Variable Factor, 18. Production Function with two Variable Factors, 19. Least Cost Factor Combination: Technological Choice, 20. Cost of Production and Cost Curves: Short Run and Long Run, Part-V: Theory of Firm and Pricing in Perfect Competition: 21. Market Structures and Concepts of Revenue, 22. Objectives of the Firm – A General Analysis, 23. Equilibrium of the Firm under Perfect Competition, 24. Equilibrium of the Industry and Long-Run Supply Curve under Perfect Competition, 25. Economic Efficiency of Perfect Competition, Part-VI: Price and Output under Monopoly and Imperfect Competition: 26. Price and Output under Monopoly, 27. Price Discrimination, 28. Drawbacks and Remedies for Monopoly, 29. Price and Output under Monopolistic Competition, 30. Price and Output under Oligopoly, 31. Classical Models of Oligopoly: Cournot and Bertrand's Models, 32. Theory of Games and Strategic Behaviour, 33. Full-Cost or Mark-Up Pricing and Sales Maximisation Models, 34. Market Failures and its Sources, 35. Externalities and Market Failure, 36. Public Goods and Market Failure, 37. Imperfect Information Problem, 38. Social Choice, Role of Government and its Inefficiency, Part-VII: Theory of Distribution: 39. Pricing of Factors (Inputs) and Distribution of Income: A General View, 40. Labour Market: Determination of Wages, 41. Land Market and the Theory of Rent, 42. Alternative Theories of Interest, 43. Theory of Profits, Part-VIII: International Trade: 44. International Trade: Absolute Advantage Theory and Comparative Cost Theory, 45. Heckscher-Ohlin Theory of International Trade and Terms of Trade, 46. Trade Barriers and Free Trade Versus Protection, Part-IX: Welfare Economics and Economic Efficiency: 47. Welfare Economics and Role of Value Judgements, 48. Pareto Criterion and Economic Efficiency: General Equilibrium Approach, 49. Kaldors Hicks' Welfare Criterion: Compensation Principle, 50. Social Welfare Function

H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



Macroeconomics, 20e

H L Ahuja

About the Book

Macroeconomics - Theory and Policy provides a comprehensive coverage of all the important theories and policies of macroeconomics. The book is an exhaustive text for understanding all the relevant concepts and current developments in the subject. It traces the relevance of Keynesian theories to the developing economies and has critically examined the post-Keynesian developments.

Key Features

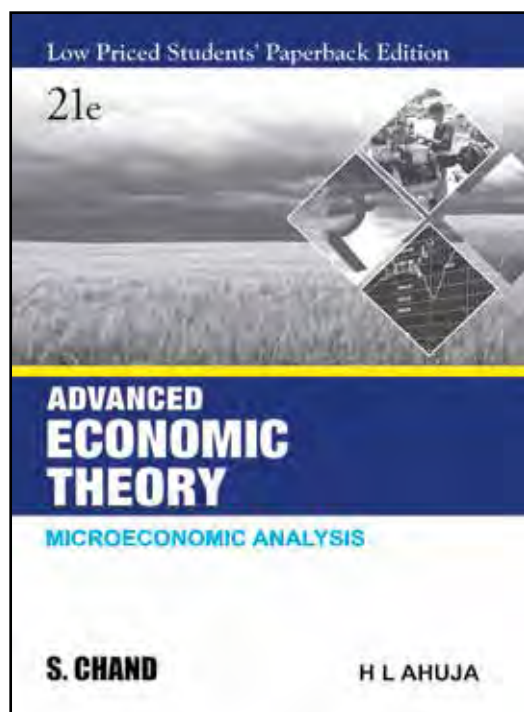
- Incorporates the latest trends and tendencies in macroeconomic analysis and policy
- Wide coverage of theories of economic growth and the relevance of these theories in the context of developing economies
- Extensive graphical illustration for easy understanding of topics

H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.

ISBN: 9789352837328 | Code: 9789352837328 | Price: ₹ 405 | Pages: 952 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Macroeconomics: 1. Nature and Scope of Macroeconomics, 2. Circular Flow of Income and National Income Accounting, 3. The Classical Full-Employment Model, 4. Keynes's Theory of Employment: An Outline, 5. Determination of National Income: Keynes's Simple Two-Sector Model, 5A. Determination of National Income with Government: Three-Sector Models, 5A. Concepts of Inflationary and Deflationary Gaps, 6. Consumption Function, 7. Post-Keynesian Theories of Consumption, 8. Investment Demand, 9. Theory of Multiplier, 10. Aggregate Demand - Aggregate Supply Model (With Price Flexibility), 11. Unemployment, Full Employment and Wage-Price Flexibility, Part-II: Post-Keynesian Developments in Macroeconomics: 12. IS-LM Curves Model, 13. Inflation-Unemployment Trade-off: Phillips Curve and Rational Expectations Theory, 14. Stagflation and Supply-Side Economics, 15. The New Classical Economics: Rational Expectations Model, 16. The New Keynesian Economics, Part-III: Monetary Demand and Supply: 17. Nature and Functions of Money, 18. Credit and Commercial Banking, 19. Central Banking, 19A. Objectives and Instruments of Monetary Policy, 20. Supply of Money and Its Determinants, 21. Demand for Money and Keynes's Liquidity Preference Theory of Interest, 22. Post-Keynesian Theories of Demand for Money, Part-IV: Money, Prices and Inflation: 23. Money and Prices: Quantity Theory of Money, 24. Keynes's Monetary Theory: Money, Income and Prices, 25. Monetarism: Friedman's Modern Quantity Theory of Money, 25A. Monetarism and Keynesianism Compared, 26. Inflation and Hyper-Inflation: Nature, Causes, Social Costs and Effects, Part-V: Business Cycles and Macroeconomic Policy: 27. Analysis of Business Cycles, 27A. Kaldor and Goodwin's Models of Business Cycles, 27B. Monetarist and New Classical (Rational Expectations) Theories of Business Cycles, 27C. Real Business Cycle Theory, 28. Economic Stabilisation: Fiscal Policy, 29. Economic Stabilisation: Monetary Policy, Part-VI: Government and the Macroeconomy: Government's Budget Constraint and Fiscal Policy: 30. Public Finance: Public Expenditure, 31. Financing of Government Expenditure: Taxation, 32. Role of Fiscal Policy and Taxation in Resource Mobilisation for Economic Growth, 33. Government Borrowing or Debt-Financing of Budget Deficit, 33A. Government Budget Constraint: Money Financing of Budget Deficit, Part-VII: Open Economy Macroeconomics: 34. Balance of Payments, 34A. The Monetary Approach to the Balance of Payments, 35. Foreign Exchange Rate, 36. Determination of National Income in an Open Economy and Foreign Trade Multiplier, 37. Free Trade Versus Protection, 38. International Linkages and Mundell-Fleming Model, 38A. Globalisation, Commercial Policy and WTO, Part-VIII: Theories of Economic Growth: 39. Economic Growth and its Determinants, 40. Harrod-Domar Model of Growth, 41. Neoclassical Theory of Growth, 42. New Theory of Growth (Endogenous Growth Model), 43. Theory of Development with Surplus Labour: Lewis Model, 44. Limitations and Relevance of Keynesian Economics to Developing Countries, 45. Nature of Unemployment in Labour Surplus Developing Countries, 46. Development Strategies for Labour-Surplus Developing Countries, 47. Sen vs Bhagwati: Debate on Growth, Poverty and Distribution

**Advanced Economic Theory, 21e**

H L Ahuja

About the Book

This authoritative and comprehensive text is an advanced treatise on microeconomics. Featuring simplified mathematical treatment, the book covers a wide spectrum of theories and concepts aimed at effective understanding of advanced economic theory. This revised edition explores further the concept of economic efficiency and the concept of utility and its critique by Prof. Amartya Sen. It further includes an incisive analysis of Hicksian and Slutsky substitution effect. The revision also includes important distinctions and critical analysis of several functions exposing the latest developments in the field.

Key Features

- **New Topical Coverage:** A critical analysis of economic efficiency under perfect competition and its market failures
- **Advanced Treatment of Topics:** Discussion on the choice of a risk averter and risk lover under conditions of risk and uncertainty
- **Abundant Graphs and Figures:** Facilitate understanding and recapitulation of concepts discussed

ISBN: 9789352837335 | Code: 9789352837335 | Price: ₹ 545 | Pages: 1368 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Scope and Methodology of Economics: 1. Nature and Scope of Economic Theory, 2. Micro and Macro Economics, 3. Methodology of Economics, 4. Methodology of Economics: Economic Statics and Dynamics, 5. Basic Mathematical Concepts and Optimisation Techniques, Part-II: Demand Analysis and Theory of Consumer's Choice: 6. Demand and Demand Function, 7. Consumer's Behaviour: Cardinal Utility Analysis, 8. Indifference Curve Analysis of Demand, 9. Demand for Complementary and Substitute Goods, 10. Marshallian Cardinal Utility Analysis Vs Indifference Curve Analysis, 11. Application and Uses of Indifference Curve, 12. Revealed Preference Theory of Demand, 13. Hicks' Logical Ordering Theory of Demand, 14. Elasticity of Demand, 15. Consumer Surplus, 16. Attribute Approach to Consumer's Behaviour, 17. Individual Choice under Risk and Uncertainty, Part-III: Theory of Production and Cost Analysis: 18. Theory of Production: Returns to a Variable Factor, 19. Production Function with two Variable Inputs, 20. Optimum Factor Combination, 21. Cost Analysis, 22. Linear Programming, 23. Supply and its Elasticity, Part-IV: Price and Output Determination in Various Market Structures: 24. Market Structures and Concepts of Revenue for a Firm, 25. Firm: A General Analysis of its Nature, Objectives and Equilibrium, 26. Pricing in Competitive Markets: Demand Supply Analysis, 27. Applications of Demand and Supply Analysis, 28. Equilibrium of the Firm and Industry under Perfect Competition, 29. Comparative Static Analysis of Equilibrium and Long-Run Supply Curve of the Competitive Industry, 30. Existence and Stability of Equilibrium under Perfect Competition, 31. Kaldor and Sraffa on Incompatibility of Equilibrium with Perfect Competition, 32. Price and Output Determination under Monopoly, 33. Price Discrimination, 34. Measurement of the Degree of Monopoly Power, 35. Price and Output under Bilateral Monopoly, 36. Price and Output Determination under Monopolistic Competition, 37. A Critique of Chamberlin's Theory of Monopolistic Competition, 38. A Critical Evaluation of Excess Capacity of Doctrine Monopolistic Competition Theory, 39. Chamberlin's Monopolistic Competition Vs Joan Robinson's Imperfect Competition Theories, 40. Price and Output Determination under Oligopoly, 41. Classical Models of Oligopoly, 42. Non-Price Competition: Selling Cost and Advertising, 43. Cost-Plus (or Mark-Up) Pricing Theory, 44. Theory of Games and Strategic Behaviour, 45. Sales Maximisation Model of Oligopoly Firm, 46. Managerial Theories of the Firm: Marris and Williamson's Models, 47. Behavioural Theory of the Firm: Satisficing Model, 48. Theory of Limit Pricing, 49. Government Policies Towards Monopoly and Competition, Part-V: Theory of Distribution (Pricing of Factors): 50. Theory of Distribution: A General View, 51. Neo-Classical Macro Theory of Relative Distributive Shares, 52. Pricing of factors in Competitive Markets, 53. Pricing of factors in Imperfectly Competitive Markets, 54. Trade Unions, Collective Bargaining and Wages, 55. Theory of Rent, 56. Theories of Interest, 57. Theory of Profits, 58. Alternative Macro Theories of Distribution, Part-VI: General Equilibrium Analysis and Welfare Economics: 59. General Equilibrium Analysis, 60. Welfare Economics: An Introduction, 61. Concept and Conditions of Pareto Optimality, 62. New Welfare Economics: Compensation Principle, 63. Grand Utility Possibility Frontier and Welfare Maximization, 64. Market Failures, Externalities and Public Goods, 65. Social Welfare Function and Theory of Social Choice, Part-VII: Intertemporal Choice and Markets with Asymmetric Information: 66. Interest, Saving and Investment: Intertemporal Choice, 67. Information Problem and Markets with Asymmetric Information



Business Economics, Microeconomic Analysis 13e

H L Ahuja

About the Book

The book provides conceptual understanding of essential concepts in business life. It details the foundations of business economics with special emphasis on demand analysis and consumer behaviour. It also discusses analysis of production and cost of the firm, market structures and pricing of products, factor pricing and income distribution and concludes with the discussion of capital budgeting. Based on the author's extensive teaching experience, the book champions a collaborative approach to delivering an appropriate textbook that is curriculum relevant.

Key Features

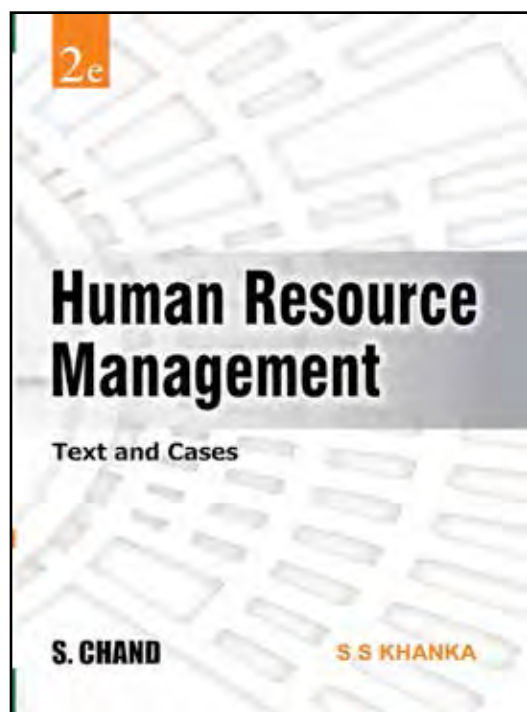
- **Syllabi Relevant:** Caters to UGC's new CBCS syllabus and also to its earlier Model Curriculum
- **New Topics:** Study of destination between private and social costs, rule of thumb, for pricing followed under monopoly and imperfect competition, mark up pricing, marginal cost pricing, Ramsey's multi- product pricing, causes of market failure and role of Government intervention to correct market failure. The book also includes a critical analysis of Economic Efficiency under perfect competition.
- **Diagrams and Graphs:** They clearly illustrate theoretical concepts and enhance understanding of their practical application.

ISBN: 9789352837366 | Code: 9789352837366 | Price: ₹ 295 | Pages: 712 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Nature and Scope of Business Economics: 1. Business Economics: Introduction, 2. Basic Problems of an Economy and Role of Price Mechanism, Appendix to Chapter 2: The Use of Mathematical Concepts, Graphs and Optimisation Techniques, **Part-II: Demand Analysis and Consumer Behaviour:** 3. Demand and Law of Demand, 4. Consumer's Behaviour: Cardinal Utility Theory, 5. Indifference Curve Analysis of Demand, 6. Revealed Preference Theory of Demand, 7. Consumer Surplus, 8. Elasticity of Demand, 9. Demand Forecasting, **Part-III: Analysis of Production and Cost:** 10. Production Analysis: Factors of Production, 11. Theory of Production: Returns to a Variable Factor, 12. Production Function with Two Variable Inputs, 13. Optimum Factor Combination, 14. Cost Analysis, 15. Break-Even Analysis, 16. Supply and its Elasticity, **Part-IV: Market Structures and Pricing of Products:** 17. Market Structures and Concepts of Revenue, 18. Objectives of Business Firms and their Equilibrium: A General Analysis, 19. Equilibrium of the Firm and Industry Under Perfect Competition, 20. Pricing in a Perfectly Competitive Market, 21. Consumer Surplus, Producer Surplus and Economic Efficiency of Perfect Competition, 22. Price and Output Under Monopoly, Appendix to Chapter 22: Measurement of Monopoly Power and Rule of Thumb for Pricing, 23. Price Discrimination, 24. Monopolistic Competition, 25. Price and Output Under Duopoly and Oligopoly, Appendix to Chapter 25: Classical Models of Oligopoly, 26. Pricing Practices: Full-cost (Mark-up) Pricing, Multi-product Pricing and Marginal Cost Pricing, **Part-V: Market Failures and Government Intervention:** 27. Market Failures and its Causes, 28. Externalities, Public Goods and Market Failure, 29. Asymmetric Information and Market Failure, 30. Government Intervention and Economic Efficiency, **Part-VI: Capital Budgeting:** Long-Term Investment Analysis: 31. Capital Budgeting: Analysis of Investment Projects, Appendix to Chapter 31, 32. Cost of Capital of Business Firms, 33. Cost-benefit Analysis, **Part-VII: Factor Pricing and Income Distribution:** 34. Factor Pricing and Theory of Income Distribution, 35. Determination of Wages, 36. Theory of Rent, 37. Theories of Interest, 38. Theories of Profits

H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



Human Resource Management, 2e

S S Khanka

Instructor's Resource available

About the Book

The second edition continues to familiarize the students with the basic principles and techniques of human resource management. Comprehensively, this textbook highlights the importance of effective management of human resources which results not only in organisational effectiveness but also sustainable competitive advantage. With the coverage of contemporary topics such as HR Scorecard, Gen-Y Employees and Work-life Balance, it keeps the students abreast with the current human resource practices of the real world. This textbook caters to the requirements of management students and is also a useful resource for HR professionals.

Key Features

- Six new chapters — Competency-based HRM, HR Scorecard, Generation-Y Employees, Talent Management, Work-life Balance and Ethics in HRM — exclusively throwing light on the changing nuances of HRM practices and challenges in practical deployment of HRM in the contemporary scenario
- Enriched content with more than 75 opening/closing cases and other engaging features such as HR tale, HR buzz, industry examples and anecdotes providing insights to the industry paradigm and bringing practices to life
- Engaging chapter-end exercises to assess comprehension and encourage students to develop practical understanding & problem-solving skills

SBN: 9789352534357 | Code: 9789352534357 | Price: ₹ 599 | Pages: 800 | Size: 6.75" X 9.5" (Paperback)

Contents

Section I: Environment and Strategies

- 1: Introduction to Human Resource Management (HRM)
- 2: Evolution and Development of Hrm
- 3: Environment of HRM
- 4: Strategic Human Resource Management (SHRM)

Section II: Acquisition

- 5: Human Resource Planning (HRP)
- 6: Job Analysis and Design
- 7: Recruitment
- 8: Selection
- 9: Placement, Induction and Socialization

Section III: Development

- 10: Career Planning and Development
- 11: Employee Training

12: Executive Development

- 13: Organization Development (OD)
- 14: Internal Mobility and Separation

Section IV: Maintenance and Retention

- 15: Job Evaluation
- 16: Wage and Salary Administration
- 17: Incentives and Benefits
- 18: Motivation: Concepts and Application
- 19: Employee Empowerment
- 20: Workers' Participation in Management (WPM)
- 21: Employee Health and Safety
- 22: Social Security
- 23: Employee Discipline
- 24: Employee Grievance
- 25: Industrial Relations
- 26: Industrial Disputes

27: Trade Unions

- 28: Collective Bargaining
- 29: Performance and Potential Appraisal

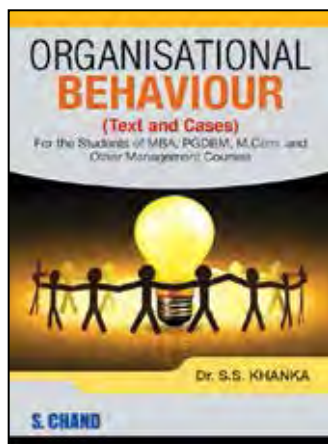
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- 30: Human Resources (HR) Research and Audit
- 31: Human Resource Accounting
- 32: Human Resource Information System (HRIS)

Section VI: Recent Trends In HRM

- 33: International Human Resource Management
- 34: Competency-Based Human Resource Management
- 35: Work-Life Balance
- 36: Human Resource (HR) Scorecard
- 37: Managing Generation-Y Employees
- 38: Talent Management
- 39: Ethics in HRM

S S Khanka, Professor, University School of Management & Entrepreneurship, Delhi Technological University (DTU), Delhi.



Organisational Behaviour

S S Khanka

About the Book

Organisational Behaviour presents concepts and themes related to behaviour and performance of people and explains how they influence organisational effectiveness. Study of human behaviour in an organisation has garnered increased interest and concern in recent times as more and more organisations are trying to unleash the optimal potential of their most important resource, manpower. This book highlights the basic principles of human behaviour, including ethical and moral issues, in Indian context in a simple and lucid style. Post Graduate students of management and commerce courses will find the book extremely useful.

Key Features

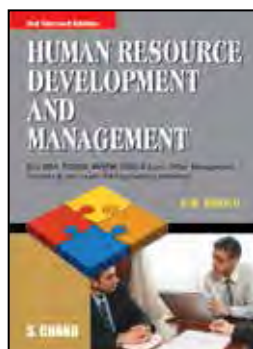
- Six new chapters in the revised edition
- Discussion on new topics such as attitude change, developing values, determinants, theories of job satisfaction, organisational commitment, attitudes, values and Job satisfaction, negotiations, and organisational conflicts
- Strong pedagogy comprising more than 100 figures and tables to illustrate the concepts and nearly 300 chapter end review questions to test the understanding of students

Instructor's Resource available

ISBN: 9788121920148 | Code: 1007D00329 | Price: ₹ 550 | Pages: 576 | Size: 6.75" X 9.5" (Paperback)

Contents

Part One: Foundation For Organisational Behaviour (OB), 1. Introduction to Organisational Behaviour, 2. Organisational Behaviour in Historical Perspective, 3. Research in Organisational Behaviour, Part Two: Individual Perspective, 4. Foundation of Individual Behaviour, 5. Personality, 6. Perception, 7. Attitudes, Values and Job Satisfaction, 8. Learning, 9. Organizational Citizenship Behaviour (OCB), 10. Emotions and Moods, 11. Transactional Analysis (TA), 12. Motivation: Concepts, 13. Motivation: Application, 14. Morale, Part Three: Group Dynamics, 15. Foundation of Group Behaviour, 16. Team Building, 17. Organisational Conflicts And Negotiations, 18. Job Frustration, 19. Job Stress, 20. Communication, 21. Leadership, 22. Power and Politics, PART FOUR: DYNAMICS OF ORGANISATION, 23. Introduction to Organisation, 24. Organisational Structure, 25. Organisational Theory, 26. Organisational Climate (OC), 27. Organisational Culture, 28. Organisational Change and Development (OD), 29. Organisational Effectiveness (OE), 30. Quality of Working Life (QWL), 31. International Organisational Behaviour



Human Resource Development and Management, 3e

A M Sheikh

ISBN: 9788121918053

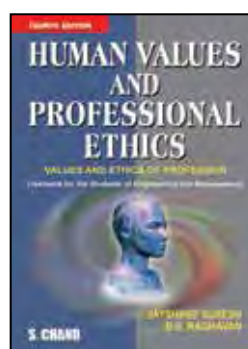
Code: 1007B00309

Price: ₹ 410 | Pages: 384

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Human Resource Planning, 3. Job Analysis, 4. Acquisition of Human Resources, 5. Training and Development, 6. Human Resource Accounting, 7. Human Resource Development, 8. Human Resource Records, Audit and Research, 9. Development of Human Capacity, 10. Learning Organisation, 11. Human Resource Motivation, 12. Organisation Development and Change, 13. Group Behaviour, 14. Working Life and Its Quality, 15. Communication, 16. Leadership, 17. Workers' Participation in Management, 18. Promotion, Transfer and Career, 19. Counselling in Human Resource Management, 20. Job Evaluation, 21. Performance Appraisal, 22. Managing Stress & Conflict at Work Place, 23. Industrial Disputes, 24. Time Management, 25. Computer Applications in HRM, 26. HRM Scenario in 21st Century, 27. Manpower Statistics in India, 28. Transactional Analysis, 29. Equal Employment Opportunity, 30. Compensation Management, 31. Employees Benefits and Incentives, 32. Employee Welfare and Social Security • Bibliography • Index



Human Values and Professional Ethics, 4e

Jayshree Suresh & B S Raghavan

ISBN: 9788121924528

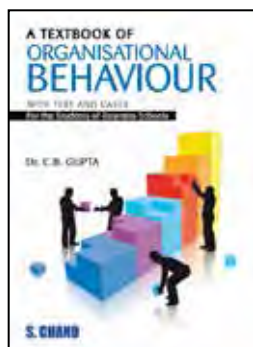
Code: 1010C00299

Price: ₹ 275 | Pages: 248

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Human Values, 3. Engineering Ethics, 4. Engineering as Social Experimentation, 5. Safety, Responsibilities and Rights, 6. Global Issues, 7. Professional Ethics • Appendices: I: Framework to build 'customer delight' into work culture, II: Corporate Social Behaviour – Checklist of Indicators for Appraisal, III: Corporate Social Responsibility, IV: Code of Ethics for Project Managers



A Textbook of Organisational Behaviour

C B Gupta

ISBN: 9788121943017

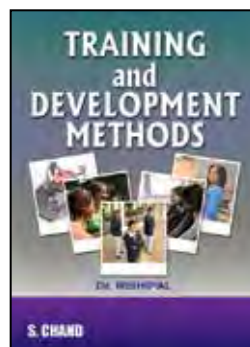
Code: 1007000566

Price: ₹ 210 | Pages: 344

Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Individual Behaviour: 1. Fundamentals of Human Behaviour, 2. Personality, 3. Perception, 4. Learning & Behaviour Modification, 5. Attitudes and Values, 6. Motivation, Part-II: Group Behaviour: 7. Interpersonal Behaviour and Transactional Analysis, 8. Group Dynamics, 9. Power, Politics and Status, 10. Leadership and Influence, 11. Control, 12. Morale and Job Satisfaction, Part-III: Overall Behaviour: 13. Nature and Types of Organisations, 14. Organisation and Environment, 15. Nature and Scope of Organisational Behaviour, 16. Organisational Goals, 17. Organisational Change, 18. Organisation Development, 19. Organisational Climate and Culture, 20. Organisational Conflict, 21. Organisational Effectiveness • *Text Questions* • *Case Study*



Training and Development Methods

Rishipal

ISBN: 9788121936569

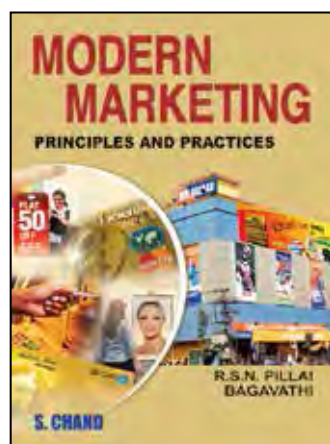
Code: 1007000525

Price: ₹ 325 | Pages: 848

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction to Training and Development, 2. Human Resource Development and Career Planning, 3. Training Need Identification, 4. Learning, 5. Strategic Training and Development, 6. Organising The Training Function, 7. Training Programme Design, 8. Training Climate, 9. Training Methodology-I on the Job Training, 10. Training Methodology-II on the Job Training Methods, 11. Training Methodology-III Recent Training Methods and Terminology, 12. Transfer of Training, 13. Training Aids, 14. Training Evaluation, 15. Employee Obsolescence and Training, 16. Training Perspectives and Trends in India and Abroad



Modern Marketing

R S N Pillai & Bagavathi

About the Book

The book emphasizes on the fact that marketing is an important functional aspect of business. It presents the basic concepts of marketing principles by integrating theory and practice. It has been written in a lucid and simple language with abundance of exercises, diagrams and tables to ease understanding of the subject. Both undergraduate and post graduate students of commerce stream will find the book very useful. It also caters to the requirement of management curriculum of Indian universities.

Key Features

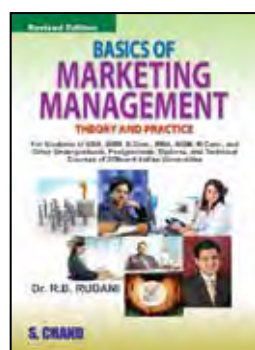
- Nine new chapters in the revised edition
- Over 400 university chapter end questions and nearly 50 case studies on relevant topics to give an insight into practical application of theory
- An appendix on "Online Advertising"

ISBN: 9788121916974 | Code: 1007C00301 | Price: ₹ 550 | Pages: 608 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Market and Marketing, 2. Modern Marketing Concept, 3. Marketing System, Marketing Mix, Marketing Function, 4. Buying, Assembling and Selling, 5. Transportation, 6. Storage and Warehouses, 7. Standardisation and Grading, 8. Marketing Finance, 9. Marketing Risk, 10. Marketing Information and Research, 11. Marketing Management, 12. Marketing Strategy and Planning, 13. Marketing Environment, 14. Market Segmentation, 15. Market Targeting and Positioning, 16. Product Planning, 17. Managing the Product Development, 18. Price Strategy, 19. Product Related Strategy, 20. Consumer Behaviour, 21. The Indian Consumers, 22. Consumerism, 23. Law Relating to Sale of Goods, 24. The Promotional Programme, 25. Sales Promotion, 26. Advertising, 27. Personal Selling, 28. Sales Organisation, 29. Sales Force Management, 30. Control of Sales Force, 31. Sales Forecast, 32. Remuneration to Salesmen, 33. Channels of Distribution – I, 34. Channels of Distribution – II, 35. Marketing of Consumer Goods, 36. Marketing of Industrial Goods, 37. Marketing of Securities, 38. Marketing of Agricultural Goods, 39. The Marketing of Services, 40. Regulated Markets, 41. Organized Markets, 42. Co-Operative Marketing, 43. Marketing Control, 44. International Marketing, 45. Rural Marketing, 46. Marketing and Society, 47. E-Business, 48. Total Quality Management, 49. Recent Trend in Marketing • *Appendix*

R S N Pillai, Formerly, Professor and Head, Department of Commerce, Arignar Anna College, Aramboly, Kanyakumari.
Bagavathi, M Com, Kanyakumari.



Basics of Marketing Management

R B Rudani

ISBN: 9788121931687

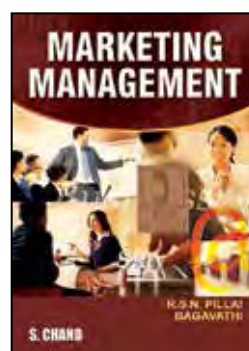
Code: 1007C00479

Price: ₹ 325 | Pages: 488

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction to Marketing, 2. Emerging Issues in Marketing, 3. Marketing Environment and Demand Forecasting, 4. Consumer Behaviour and Market Segmentation, 5. Product Decisions, 5a. Product-Related Strategies, 6. Pricing Decisions, 7. Market Promotion Mix, 7a. Advertising, 7b. Personal Selling and Sales Force Management, 7c. Sales Promotion, 7d. Publicity and Public Relations, 8. Physical Distribution and Channel of Distribution, 9. Marketing Information System and Marketing Research, 10. Rural Marketing, 11. Marketing of Services, 12. Elements of Retailing, 13. International Marketing, 14. Marketing Control, 15. Analysing Competition, 16. Case Study – Marketing Cases and Analysis, 17. Project Report in Marketing – Practical Study • *Bibliography*



Marketing Management

R S N Pillai & Bagavathi

ISBN: 9788121932448

Code: 1007A00492

Price: ₹ 399 | Pages: 560

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Contents

Part-I: Fundamentals of Marketing: 1. Fundamentals of Marketing, 2. Marketing Environment, 3. Marketing Management, Part-II: Developing Marketing Strategy: 4. Marketing Strategy and Planning, 5. Marketing Segmentation, 6. Market Targeting and Positioning, 7. Marketing Information System, 8. Marketing Research, Part-III: Understanding Consumer Behaviours: 9. Consumer Behaviour, 10. The Indian Consumers, 11. Consumerism, Part-IV: Managing Products: 12. Managing the Product, 13. Managing the Product Development, 14. Pricing Strategy, 15. Product Related Strategy, Part-V: Communications Decisions: 16. The Promotional Programme, 17. Sales Promotion, 18. Advertising Management, 19. Marketing Control, 20. Public Relations, Part-VI: Managing Sales Forces: 21. Personal Selling, 22. Sales Organisation,

23. Sales Force Management, 24. Control of Sales Force, 25. Sales Forecast, 26. Remuneration to Salesmen, Part-VII: Management of Physical Distribution: 27. Channels of Distribution, 28. Management of Retail, 29. Marketing of Consumer Goods, 30. Marketing of Industrial Goods, 31. Direct Marketing, Part-VIII: Managing Marketing of Services: 32. The Marketing of Services, Part-IX: Recent Trends in Marketing: 33. International Marketing, 34. Marketing and Society, 35. Total Quality Management, 36. E-Business, 37. Rural Marketing, 38. New Trends in Marketing, 39. The Case Study Method • *Appendix : Online Advertising*



Retail Management

Harjit Singh

ISBN: 9788121932073

Code: 1007B00486

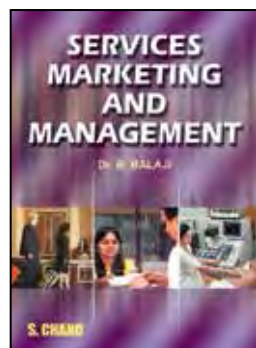
Price: ₹ 450 | Pages: 904

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Section-I: Retailing Introduction: 1. Introduction to Retailing, 2. Retailing Formats, 3. Consumer Behaviour, Section-II: Retailing Strategy: 4. Store Location, 5. Retail Marketing Segmentation, 6. Strategic Planning in Retail, 7. Financial Strategy, 8. Inventory Management, Section-III: Managing Merchandise: 9. Planning Merchandise Assortments, 10. Merchandise Buying Systems, 11. Managing and Retail Brand, 12. Presenting Merchandise, 13. Merchandise Pricing, Section-IV: Store Management: 14. Retail Store Operations, 15. Retail Loss Prevention, 16. Supply Chain Management, Section-V: Retail Communication: 17. Distribution Management, 18. HRM in Retail Sales, 19. Managing Store Employees, Section-VI: Future of Retailing: 20. Customer Service Strategies, 21. Retail Sales Promotion, 22. Retail Communication Mix, 23. Building Customer Relationships and Competitive Advantage, Section-VII: Mall Management: 24. Retailing Through Internet, 25. Career Opportunities in Retail, 26. The Road Ahead in India, 27. Mail Introduction, 28. Mall Management • *Cases • Glossary • Subject Index • Name Index*



Services Marketing and Management

B Balaji

ISBN: 9788121921619

Code: 1007A00351

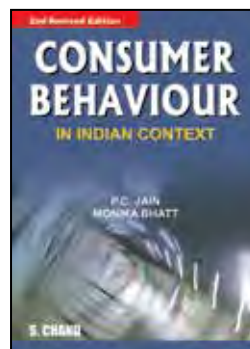
Price: ₹ 375 | Pages: 448

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Contents

1. Concept of Service, 2. Service Characteristics, 3. Service Expectations, 4. The Service Product, 5. Service Location, 6. Pricing for Services, 7. Promotion Services, 8. The Service Process, 9. Physical Evidence, 10. People and Services, 11. Internal Versus External Marketing, 12. Service Design, 13. Service Demand and Supply,

14. The Service Delivery, 15. Service Quality, 16. Service Performance and Measurement, 17. Services Mix Scenario (7Ps), 18. Service Employees and Internal Marketing, 19. Customer Management and Service Guarantees, 20. Customer Retention and Relationship Marketing, 21. Service Leadership, 22. Service Profitability and Productivity, 23. International Marketing of Services, 24. Case Studies • *Appendix-I • Appendix-II*



Consumer Behaviour, 2e

P C Jain & Monika Bhatt

ISBN: 9788121922142

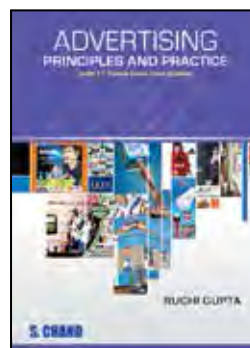
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Price: ₹ 325 | Pages: 272

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Contents

1. Introduction, 2. Scope and Application, 3. Consumer Needs and Motivation, 4. Consumer as a Perceiver and Learner, 5. Influence of Personality and Attitudes on Buying Behaviour, 6. Consumer Psychographics, 7. Influence of Group Dynamics and Consumer Reference Groups, 8. Influence of Social and Economic Classes, 9. Influence of Family in Decision Making, 10. Diffusion of Innovations, 11. Cultural Aspects of Indian Consumer Markets, 12. Organisational Buying Behaviour, 13. Role of Consumer Behaviour in Advertisement, 14. Consumer Involvement and Decision Making, 15. Information Search and Processing, 16. Alternative Evaluation, 17. Purchase and its Results, 18. Consumer Protection in India, 19. Market Segmentation, 20. E-Commerce and Consumer Behaviour, 21. Factors Affecting Behaviour of Indian Customers



Advertising

Ruchi Gupta

ISBN: 9788121940016

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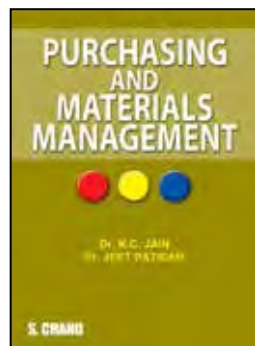
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Unit-I: Basics of Advertising: 1. Introduction to Advertising, 2. Role of Advertising in Marketing Mix, 3. Advertising as A Communication Tool, 4. Types of Advertising, 5. Advertising Campaign, Unit-II: Advertising Management: 6. Advertising Objectives, 7. Advertising Budget, 8. Advertising Message Decisions, 9. Creative Side of Advertising, 10. Advertising Appeals, 11. Celebrity Endorsements, 12. Mascots, 13. Media Decisions, 14. Types of Media, 15. Online Advertising, 16. Measuring Advertising Effectiveness, 17. Advertising Agencies, Unit-III: Legal and Ethical Aspects of Advertising in India: 18. Legal Aspects of Advertising in India, 19. Ethical Issues in Advertising, 20. Advertising

Standards Council of India, 21. Surrogate Advertising in India, 22. Comparative Advertising in India • Additional Case Studies: 1. Pepsi's "Youngistaan" Campaign, 2. Launch of Microsoft's X-Box, 3. Tata Docomo "Keep it Simple, Silly", 4. "Atithi Devo Bhavah" Campaign, 5. Volkswagen Vento Launch Campaign, 6. Launch Campaign of Tata Sky Plus, 7. Coca Cola's "Open Happiness" Campaign • Advertising Glossary



Purchasing and Materials Management

K C Jain & Jeet Patidar

ISBN: 9788121936484

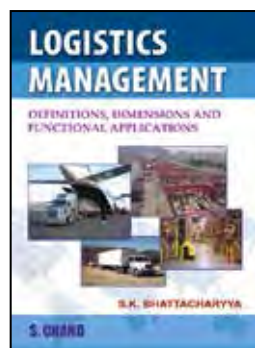
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Price: ₹ 210 | Pages: 360

Size: 6.75" X 9.5" (Paperback)

Contents

1. Material Management, 2. Integrated Materials Management, 3. Computer Application and System Analysis for Material Management, 4. Standardization and Variety Reduction, 5. Classification and Codification of Materials, 6. Materials Planning and Budgeting, 7. Stores and Stores Management, 8. Automatic Storing and Warehousing, 9. Stores in Stock Yards, 10. Preservation of Materials, 11. Materials Handling, 12. Inventory Planning and Control, 13. Inventory Management Models, 14. Selective Inventory Control, 15. Make or Buy Decisions, 16. Purchasing Principles, Procedure and Organization, 17. Vendor Evaluation and Performance Rating, 18. Value Analysis (VA), 19. Just-in-Time Purchasing, 20. Purchasing Negotiating Skills, 21. Quality Control in Material Management, 22. Surplus, Obsolete and Waste Management, 23. Stock Maintenance and Accounting, 24. Legal Aspects in Purchasing, 25. Cases and Review Questions



Logistics Management 2e

S K Bhattacharyya

ISBN: 9788121928854

Code: 1007000440

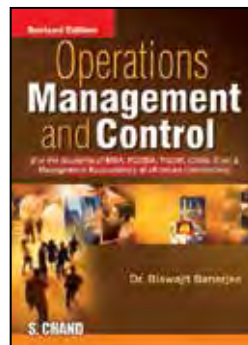
Price: ₹ 375 | Pages: 432

Size: 6.75" X 9.5" (Paperback)

Contents

1. Definition - Concepts, Compounds, Requirements, 2. Supply Chain Management, 3. Role of Transportation in Logistics and Supply Chain (LSCM), 4. Modes of Transportation, 5. Containerization and Multimodal Transport, 6. Warehousing, 7. Packaging, 8. Materials Handling, 9. Distribution and Retail Supply Chain, 10. Reverse Logistics a Competitive Strategy, 11. LSCM Alliances 3 PL + 4 PL = 7 PL Principles, Advantages and Outsourcing, 12. Relationship Management, 13. Certain Legal Aspects for Carriage of Cargo-Customs Formalities, Documentation & EDI, 14. Organizing LSCM Functions, 15. Tenets of Costing in LSCM, 16. Integrating Strategic Planning for LSCM Functions: The Methods of Accomplishment, 17. Operation Research in LSCM

Decision Making, 18. Measurements and Improvement of LSCM Service Quality and Performance, 19. The Place of LSCM - Past, Present and Future, 20. Supply Chain Implementation on An Assumed Path - A Simulation Exercise • Glossary of LSCM Terms • Bibliography



Operations Management and Control 3e

Biswajit Banerjee

ISBN: 9788121925938

Code: 1007B00411

Price: ₹ 399 | Pages: 576

Size: 6.75" X 9.5" (Paperback)

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Part-I: Production Planning Scheduling and Monitoring Systems: 1. Planning Problems, 2. Management Forecasting 3. The Role of Manufacturing, 4. Production Planning and Control, 5. Inventory Management, Part-II: Production Economics: 6. Plant Layout, 7. Quality Management, 8. Maintenance Management, 9. Machine Capacity Utilization and Machine Balancing, Part-III: Productivity: 10. The Philosophy of Productivity Science, 11. Work Study A Productivity Technique, 12. Incentive Schemes, 13. Job Evaluation, 14. Value Analysis/Engineering and Cost Reduction, 15. Learning Curve, Part-IV: Cost Implications: 16. Cost Information for Decision Making, Part-V: Technology of Production Techniques: 17. Implication of Technology and Other Concepts, Part-VI: Project Management and Control: 18. Project Identification, Formulation and Appraisal, 19. Project Financing and Cost Systems, 20. Project Administration and Evaluation, Part-VII: Exercise: 1. Planning Problems, 2. Management Forecasting, 3. The Role of Manufacturing, 4. Production Planning and Control, 5. Inventory Management, 6. Plant Layout, 7. Quality Management, 8. Maintenance Management, 9. Machine Capacity Utilization and Machine Balancing, 10. The Philosophy of Productivity Science, 11. Work Study A Productivity Technique, 12. Incentive Schemes, 13. Job Evaluation, 14. Value Analysis/Engineering and Cost Reduction, 15. Learning Curve, 16. Cost Information for Decision Making, 17. Implication of Technology and Other Concepts, 18. Project Identification, Formulation and Appraisal, 19. Project Financing and Cost Systems, 20. Project Administration and Evaluation • Subject Index



Operations Research, 7e

P K Gupta & D S Hira

About the Book

Comprehensively written in a manner that suites the students of Mechanical Engineering and Commerce & Management, “*Operations Research*” transmutes deftly into a resource or a reference text for the students of statistics and mathematics or aspirants of various entrance examinations including UPSC.

Coverage of popular topics such as Linear Programming, Probability Theory and Queuing Models are supplemented with numerous examples, tables and figures which are then followed by exercises thereby providing the assurance to fulfil every requirement of understanding of the student.

A book which has seen, foreseen and incorporated changes in the subject for more than 40 years, it continues to be one of the most sought after texts by the students.

Key Features

- 16 chapters succinctly cover every crucial concept of the subject.
- Close to 2300 examples, figures and tables aid to the concepts explained.
- 1800+ exercise questions enhance the practice quotient of the book.

Instructor's Resource available

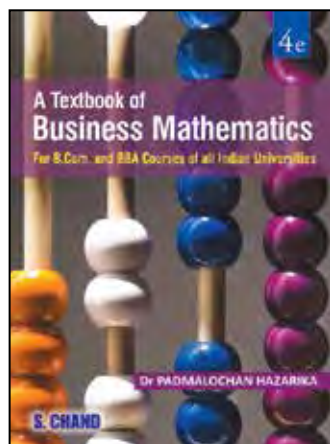
ISBN: 9788121902816 | Code: 1010E00087 | Price: ₹ 675 | Pages: 1,512 | Size: 6.75" X 9.5" (Paperback)

Contents

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|---|---|
| 1. Basics of Operations Research | 13. Simulation |
| 2. Liner Programming | 14. Network Analysis In Project Planning (PERT And CPM) |
| 3. The Transportation Model | 15. Statistical Quality Control. |
| 4. The Assignment Model | 16. Non Liner Programming |
| 5. Sequencing Models and Related Problems | • <i>Appendices</i> |
| 6. Advanced Topics In Liner Programming | <i>A: Review of Vectors and matrices</i> |
| 7. Dynamic Programming | <i>B: Derivation of Poisson Distribution</i> |
| 8. Probability Theory | • <i>Table C-1: Random Numbers Table</i> |
| 9. Decision Theory, Game, Investment Analysis and Annuity | • <i>Table C-2: Proportion of total area under the normal curve from $-\infty$ to z</i> |
| 10. Queuing Models | • <i>Bibliography</i> |
| 11. Replacement Models | • <i>Index</i> |
| 12. Inventory Models | |

P K Gupta is Former Assistant Professor, PEC Institute of Engineering and Technology, Chandigarh.

D S Hira, Director General, Swami Vivekanand Group of Institute, Patiala.



A Textbook of Business Mathematics, 4e

Padmalochan Hazarika

Instructor's Resource available

About the Book

The new edition of *A Textbook of Business Mathematics* inches on its earlier editions and continues to provide a comprehensive coverage of important topics and concepts in business mathematics. The book is carefully written and structured to simplify business maths and equips students with the knowledge and practice they need to fully learn each concept. Abundant solved examples and exercises incorporated in the text help in effective learning process and examination preparation for students.

Key Features

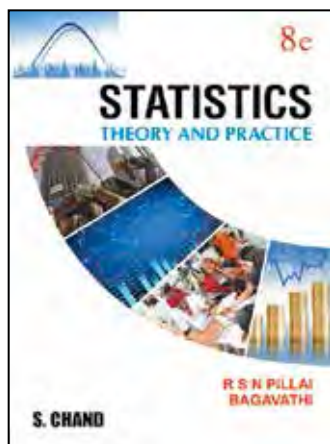
- Incorporation of important techniques of Operations Research such as transportation and assignment problem
- More than 750 solved examples and exercises with solutions for extensive practice
- Objective-type questions to test learning – a distinctive new feature of this edition

ISBN: 9789352533121 | Code: 9789352533121 | Price: ₹ 525 | Pages: 736 | Size: 6.75" X 9.5" (Paperback)

Contents

Unit-I: Algebra: 1. Revision of Basic Algebra and Commercial Arithmetic, 2. Indices and Logarithms, 3. Simultaneous Linear Equations and Quadratic Equations, 4. Arithmetic Progression (A.P.), Geometric Progression (G.P.) and Harmonic Progression (H.P.), 5. Permutation and Combination, 6. Binomial Theorem, 7. Set Theory, 8. Determinants, 9. Vectors and Matrices, Unit-II: Mathematics of Finance: 10. Simple Interest and Compound Interest, 11. Annuity, Unit-III: Coordinate Geometry of Two Dimensions: 12. Rectangular Cartesian Coordinates in a Plane, 13. Equations of Straight Lines, 14. Equations of Non-Linear Curves: Circle and Parabola, Unit-IV: Calculus: 15. Functions, Limits and Continuity of Functions, 16. Derivative or Differential Coefficient, 17. Application of Derivative in Economics and Commerce, 18. Maxima and Minima, 19. Partial Derivatives and Homogeneous Functions, 20. Integration as Antiderivative, 21. Definite Integral and Application of Integration in Business and Economics, Unit-V: Certain Techniques of Operations Research: 22. Introduction to Operations Research (OR), 23. Linear Programming, 24. Basic Concepts of Transportation Problem and Assignment Problem, 25. Theory of Games • Appendix-A: Tables • Appendix-B: Bibliography

Padmalochan Hazarika, Professor, Department of Commerce, Gauhati University, Gauhati



Statistics, 8e

R S N Pillai & Bagavathi

About the Book

A comprehensive and easy to understand text, this book discusses fundamental theoretical concepts with emphasis on practical applicability. The book begins with the explanation of statistical fundamentals and progresses to discussion of representation and presentation techniques, measures of central tendency, dispersion, skewness, correlation, regression, and index numbers. It further initiates the study of index numbers and analysis of time series, interpolation and extrapolation, association of attributes, probability, theoretical distribution, sampling theory and chi square and concludes with logarithm and its uses. The book has ample illustrations with solutions to help students understand the topics discussed and gain a solid foundation in statistics. The book is an ideal choice for undergraduate and postgraduate students of statistics, and also caters to the needs of students of varied disciplines.

Key Features

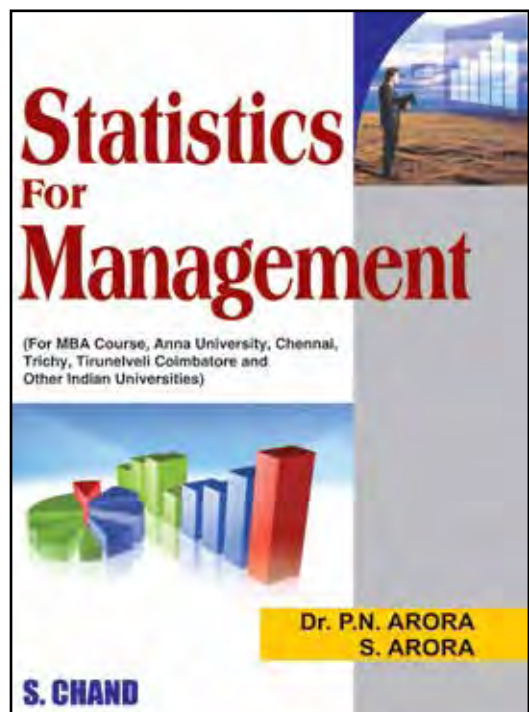
- A perfect balance of theory and practice with abundant diagrams and tables to reinforce understanding
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ISBN: 9789352533091 | Code: 9789352533091 | Price: ₹ 599 | Pages: 896 | Size: 6.75" X 9.5" (Paperback)

Contents

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R S N Pillai, Formerly Professor & Head of the Department (Commerce), Anna College, Aramboly (Kanyakumari).



Statistics and Management, 5/e

P N Arora & S Arora

About the Book

For MBA Course, Anna University, Chennai, Trichy, Tirunelveli Coimbatore and Other Indian Universities.

Key Features

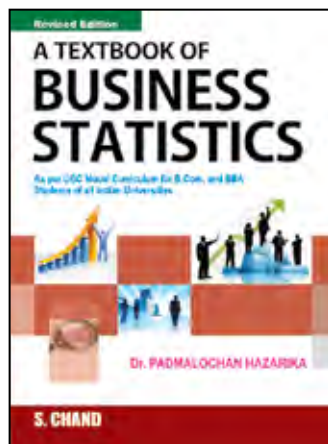
- 16 chapters succinctly cover every crucial concept of the subject.
- Close to 2300 examples, figures and tables aid to the concepts explained.
- 1800+ exercise questions enhance the practice quotient of the book.

ISBN: 9788121922852 | Code: 9788121922852 | Price: ₹ 299 | Pages: 648 | Size: 6.75" X 9.5" (Paperback)

Contents

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|-----------------------------------|--|
| 1. Probability And Bayes' Theorem | 11. Non-Parametric Methods |
| 2. Theoretical Distributions | 12. Revision Techniques (Results and Formulae –Chapter-Wise) |
| 3. Sampling Distribution Concepts | 13. Appendices |
| 4. Theory of Estimation | 14. Frequency Distributions |
| 5. Tests of Significance | 15. Measures of Central Tendency or Averages |
| 6. Chi-Square Test | 16. Measures of Dispersion |
| 7. F-Distribution and Anova | 17. Use of Logarithmic Tables |
| 8. Correlation Analysis | 18. M.B.A. Examination Papers – Anna University |
| 9. Regression Analysis | 19. Statistical Tables |
| 10. Time Series Analysis | |

P N Arora M.A., Ph.D. (DU) Former Professor of Mathematics Dayal Singh College University of Delhi, Delhi



A Textbook of Business Statistics 4e

Padmalochan Hazarika

About the Book

The textbook continues to provide a comprehensive coverage of important topics and concepts in business statistics. Written in a lucid manner, it would equip the students with the knowledge and practice they need to learn each concept. Numerous examples and exercises have been provided for effective understanding. Students of BCom and BBA courses would find this book extremely useful.

Key Features

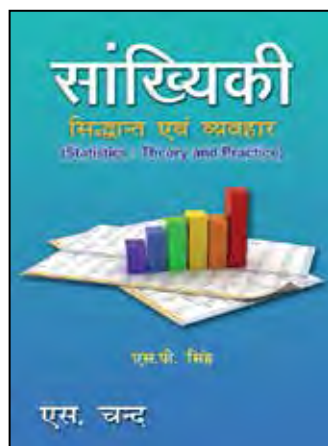
- Over 350 examples to aid understanding of the concepts
- More than 400 chapter-end exercise questions to test understanding
- Log tables at the end of the book for quick reference and use

Padmalochan Hazarika, Professor, Department of Commerce, Gauhati University, Gauhati.

ISBN: 9788121924566 | Code: 1007D00391 | Price: ₹ 350 | Pages: 552 | Size: 6.75" X 9.5" (Paperback)

Contents

Unit-I: Introduction to Statistics and Analysis of Univariate Data: 1. Definitions, Functions, Scope and Limitations of Statistics, 2. Statistical Investigation: Collection of Data, Census Survey, Sample Survey and Types of Sampling, 3. Classification and Tabulation: Frequency Distributions, 4. Diagrammatic and Graphic Representation of Statistical Data, 5. Measures of Central Tendency or Averages, 6. Measures of Dispersion or Variation, 7. Moments, Skewness and Kurtosis, **Unit-II: Analysis of Bivariate Data:** Correlation and Regression Analysis, Association of Attributes, Interpolation and Extrapolation: 8. Correlation Analysis and Regression Analysis, 9. Association of Attributes, 10. Interpolation and Extrapolation, **Unit-III: Index Numbers and Analysis of Time Series:** 11. Index Numbers, 12. Analysis of Time Series, **Unit-IV: Probability, Mathematical Expectation and Probability Distributions:** 13. Probability and Mathematical Expectation, 14. Some Important Theoretical or Expected Probability Distributions, **Unit-V: Statistical Quality Control:** 15. Statistical Quality Control (SQC), **Unit-VI: Sampling Distribution, Theory of Estimation, Concepts of Tests of Hypotheses and Significance, Business Forecasting:** 16. Sampling Distribution, Theory of Estimation, Concepts of Tests of Hypotheses and Significance, 17. Business Forecasting • Appendix • Bibliography • Index



सांख्यिकी: सिद्धान्त एवं व्यवहार

एस पी सिंह

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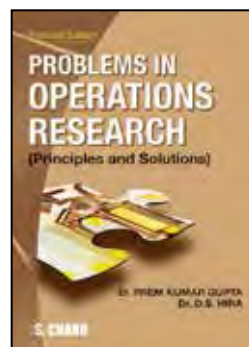
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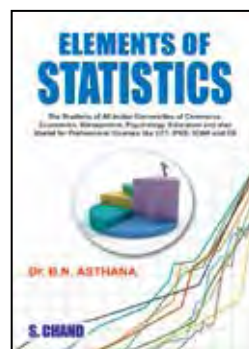
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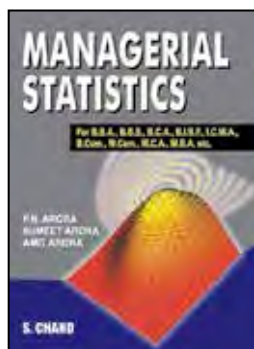
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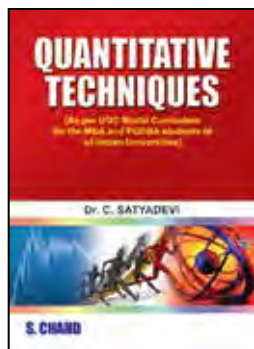
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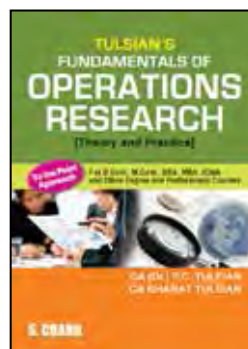
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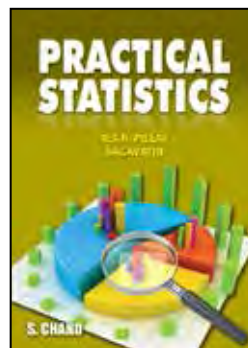
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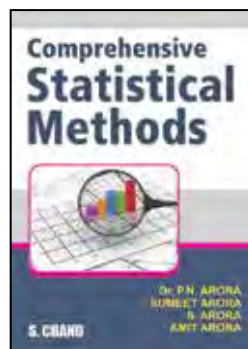
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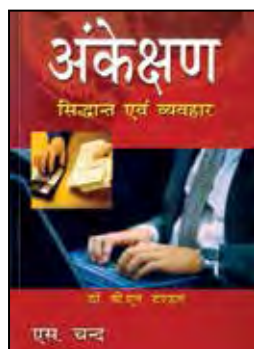
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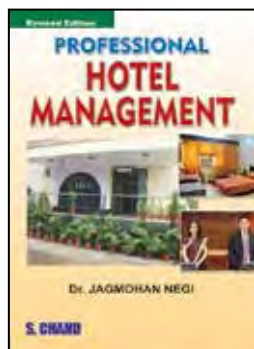
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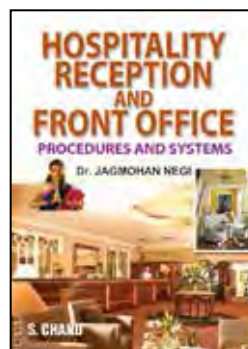
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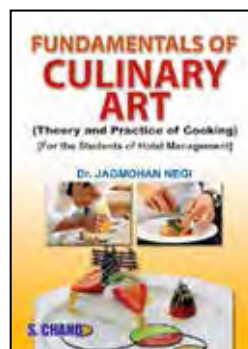
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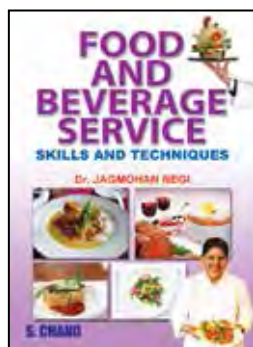
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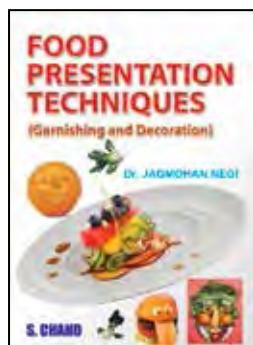
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Jagmohan Negi

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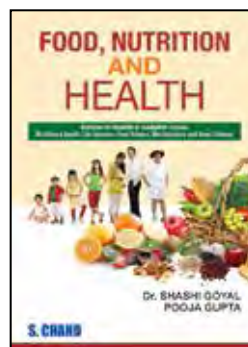
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Food, Nutrition and Health

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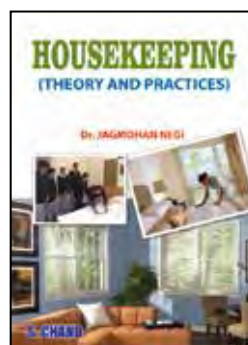
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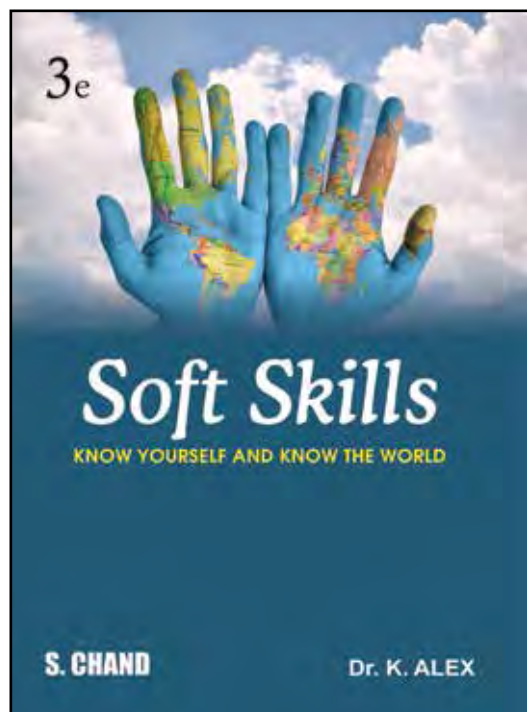
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Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Organisational and Operation, 3. Cleaning Agents and Equipment's, 4. Hotel Guest Rooms and Cleaning Procedure, 5. Bed Making and Principles of Cleaning, 6. Linen Management and Control, 7. Laundry Operation, 8. Room Keys and Key Control, 9. Pest and Pest Control, 10. Security and Safety • Appendices: A. Examination Questions, B. Housekeeping Terminology, C. Books and Publications



Soft Skills: Know Yourself and Know The World 3e

K Alex

Multicolour Edition

Instructor's Resource available

About the Book

In this new age of communication and sociability, it is indispensable for budding professionals to possess essential soft skills. This book by Dr. K Alex acquaints the students with the requisite soft skills so that they not only become a part of but also lead today's dynamic workforce.

Key Features

- Empowers the youth in acquiring the right soft skills, particularly in the corporate world
- Focuses on career planning, body language, team building & teamwork, etiquette & manners, time & stress management
- Interesting and engaging images as well as exercises make the book a must-read

Dr K Alex, Associate Professor, St. Joseph's College, Tiruchirapalli, TamilNadu

ISBN: 9788121931922 | Code: 1001C00221 | Price: ₹ 550 | Pages: 264 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | | |
|---------------------------------|---------------------|--------------------------------|---------------------------|
| 1. Soft Skills | 6. Career Planning | 11. Art of Writing eMail | 15. Etiquette and Manners |
| 2. Know Thyself/Self-Discovery | 7. Art of Listening | 12. Body Language | 16. Preparing CV/Résumé |
| 3. Developing Positive Attitude | 8. Art of reading | 13. Team Building and Teamwork | 17. Interview Skills |
| 4. Forming Values | 9. Art of Speaking | 14. Group Discussion | 18. Time Management |
| 5. Improving Perception | 10. Art of Writing | | 19. Stress Management |



Way To Success

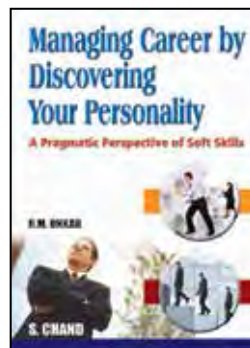
Jatinder Singh & Ranjeet Mehta

Multicolour Edition

ISBN: 9789383746903
Code: 1001000476
Price: ₹ 225 | Pages: 120
Size: 6.75" X 9.5" (Paperback)

Contents

1. Manage Relations for Success,
2. Always Follow Your Dreams,
3. Be Innovative,
4. Attitude Makes the Difference,
5. Know Your Self Worth,
6. Judgemental Behaviour Drags You Down,
7. Knock Out Your Fears,
8. Procrastination - The Enemy of Success,
9. Practice Decision-Making,
10. Communicate Effectively



Managing Career by Discovering Your Personality

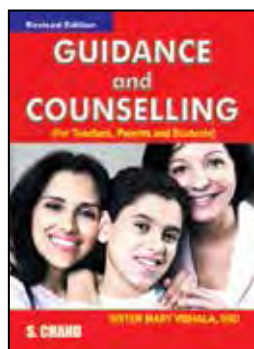
R M Onkar

Multicolour Edition

ISBN: 9788121933346
Code: 1007000496
Price: ₹ 265 | Pages: 160
Size: 6.75" X 9.5" (Paperback)

Contents

1. Modality for Discovering Yourself for Self-Assessment and Self-Packaging:
 1. Behaviour, Conduct and Values,
 2. Personal Characteristics,
 3. Intellectual Abilities,
 4. Performance and Stability,
 5. Work Motivation,
 6. Interpersonal Skills,
 7. Administrative Skills,
2. Self-Awakening Mission for Self-Projection and Self-Marketing: Annexures,
3. The Art of Enriching, Empowering and Enlightening Your Life • Epilogue



Guidance and Counselling

Sister Mary Vishala, SND



ISBN: 9788121927475

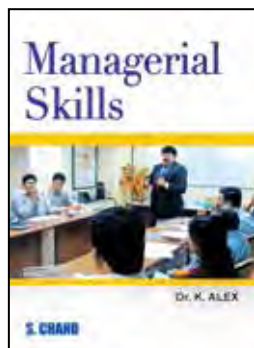
Code: 1001B00214

Price: ₹ 399 | Pages: 230

Size: 6.75" X 9.5" (Paperback)

Contents

1. Guidance and Counselling, 2. Prenatal Period, 3. Infancy, 4. Early Childhood, 5. Later Childhood, 6. Adolescents, 7. Habit Formation in Children, 8. Mental Hygiene in Children, 9. Why Does one Forget, 10. Training in Memory, 11. Exceptional Children, 12. Character Formation in Children • *Bibliography*



Managerial Skills

K Alex



ISBN: 9788121998697

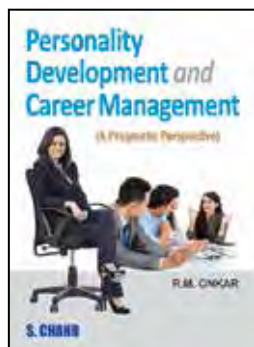
Code: 1001000463

Price: ₹ 365 | Pages: 192

Size: 6.75" X 9.5" (Paperback)

Contents

1. Managing Self, 2. Managing Others/ Interpersonal Skills, 3. Managing Your Time, 4. Strategic Thinking, 5. Lateral Thinking, 6. Boss-Subordinate Relationship, 7. Facing Changes, 8. Facing Challenges, 9. Staying Motivated, 10. Effective Decision Making, 11. Conflict Resolution, 12. Team Building and Teamwork, 13. Leadership Communication, 14. Developing Human Network, 15. Balancing Work and Life, 16. Practising Corporate Social Responsibility, 17. Professional Ethics, 18. Workplace/ Office Politics, 19. Planning for a Second Career



Personality Development and Career Management A Pragmatic Perspective

R M Onkar



ISBN: 9788121929035

Code: 1007C00445

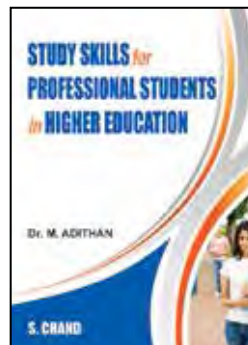
Price: ₹ 525 | Pages: 232

Size: 6.75" X 9.5" (Paperback)

Contents

1. Five Pillars of your Personality Development and Career Advancement, 2. A New Outlook on Self Identification and Self-Assessment, 3. Setting Personal Mission and

Preparing its Statement, 4. Brain-Mind-Body's Combined Relation With Attributes, 5. Intellect, Genius, Intelligence and Talent, 6. Selection of a Job to Match Your Potential, 7. Modality and Mechanics of Advising and Counselling, 8. Challenges of 21st Century for Managing Career, 9. Managing Success in Your Career Some Secrets and Some Guidelines, 10. The Personal Attribute Profiles of Our Successful Professional Leaders



Study Skills for Professional Students in Higher Education

M Adithan

ISBN: 9789383746446

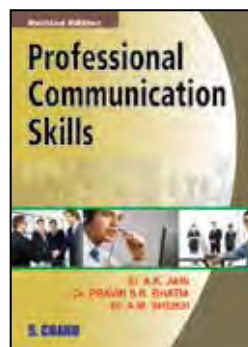
Code: 1001000469

Price: ₹ 225 | Pages: 120

Size: 6.75" X 9.5" (Paperback)

Contents

1. What is Engineering?, 2. What is Success?, 3. Success in Engineering Study Depends On, 4. The Beginning of the Semester, 5. What is Learning?, 6. Attending Lecture Classes, 7. Mistakes Students Make, 8. Importance of Good Reading and Communication Skills, 9. Balance Your Study/Work and Play, 10. Seven Tips for Time Management, 11. Self-Study and Group Study, 12. Productive Actions, Positive Thoughts and Positive Feelings, 13. Your Personal Growth and Development during Your Studies (Co-curricular and Extra-curricular Activities), 14. Ten Tips for Success in Examinations/Tests, 15. Ethics, 16. Employment Opportunities and Job Search, 17. Professional Skills, 18. Attributes of Good Leadership, 19. Creativity, 20. Importance of Problem Solving in Engineering and Technology, 21. Internet Information Sources, 22. Quotable Quotes • Glossary • Appendix-I: Industrial Training Diary • Appendix-II: Project Work Diary



Professional Communication Skills

A K Jain, Pravin S R Bhatia & A M Sheikh

ISBN: 9788121920926

Code: 1011C00793

Price: ₹ 299 | Pages: 440

Size: 6.75" X 9.5" (Paperback)

Contents

1. Language as Skill of Communication, 2. Phonetics, 3. Articles, 4. The Preposition, 5. Tenses, 6. Subject-Verb Accord, 7. The Infinitive, 8. The Participle, 9. Clauses, 10. Degrees of Comparison, 11. Transformation of Sentences, 12. Direct and Indirect Speech, 13. Modifiers, 14. Sentence Connectives, 15. The Gerund, 16. Punctuation and Capitalisation, 17. Vocabulary, 18. Use of Abbreviations, 19. Correct Usage, 20. Eponym, 21. Concord, 22. Homophones, 23. Letter Writing, 24. Paragraph Writing, 25. Proposal Writing, 26. Verbal Communication, 27. Oral Presentation, 28. Technical Written Communication, 29. Forms of Technical Writing, 30. Report Writing, 31. Advertising, 32. Precis Writing, 33. Collection of Short Essays, 34. Collection of Short Stories, 35. Interview Skills and Group Discussion, 36. Communication: Process & Elements, 37. Reading Comprehension, 38. Principles of Public Speaking, 39. How to Create a PowerPoint Presentation, 40. Speaking Skills, 41. Listening Skills • Appendices: (i) Question Bank, (ii) Model Question Paper



Grewal's Accountancy (For CA Foundation), 6e

M P Gupta & B M Agarwal

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Principles and Practice of Accounting. It has been revised as per the new updates in the syllabus and is applicable for the students appearing for CA Foundation Examination November 2019 and onwards. The book provides conceptual knowledge and understanding of various principles and systems of accounting and their practical application in different sets of business transactions.

Key Features

- Provides over 250 illustrations throughout the text to aid understanding
- Includes 300+ numerical problems and review questions for practice
- Consists of 300+ multiple choice questions to test understanding of the concepts
- Contains more than 250 true and false statements along with answers and reasons as an appendix for deep-seated understanding of the concepts
- Provides updated chapter on 'Accounting Standards and Accounting Policies'
- Incorporates new format of Profit and Loss Account and Balance Sheet of the Companies (Schedule III to the Companies Act, 2013)

ISBN: 9789352837540 | Price: ₹ 550 | Pages: 688 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Accounting Theory and Philosophy, 2. Accounting Standards and Accounting Policies, 3. Capital and Revenue (Expenditure and Receipts), 4. Contingent Assets and Contingent Liabilities, 5. Rules of Accounting and the Journal, 6. Ledger, 7. Cash Book, 8. Subsidiary Books, 9. Trial Balance and Rectification of Errors, 10. Depreciation Accounting, 11. Inventory Valuation, 12. Final Accounts, 13. Accounting for Bills of Exchange, 14. Bank Reconciliation Statement, 15. Average Due Date and Account Current, 16. Sale of Goods on Approval or Return Basis, 17. Issue and Forfeiture of Shares, 18. Issue of Debentures, 19. Financial Statements of Not-for-Profit Organizations, 20. Accounting for Consignments, 21. Partnership-I: Fundamentals (Including LLPs), Valuation of Goodwill and Final Accounts, 22. Partnership-II: Admission of a Partner, 23. Partnership-III: Retirement and Death of a Partner

Appendix: True and False Statements (Answers with Reasons)

M P Gupta, MCom, PhD, is Director Jagran College of Art, Science and Commerce, Kanpur. Formerly he was Head of Department - Commerce, VSSD (PG) College, Kanpur as well as Dean, Faculty of Commerce, Kanpur University, Kanpur. He has also been a visiting faculty member at Central India Regional Council of Institute of Chartered Accountants of India, Kanpur and at Kanpur Chapter of the Institute of Company Secretaries of India.

B M Agarwal, MCom, PhD, ACS, was formerly Head of Department - Commerce, DAV College, Kanpur. He has also been a visiting faculty member at Central India Regional Council of Institute of Chartered Accountants of India, Kanpur and at Kanpur Chapter of the Institute of Company Secretaries of India.



Statistics (For CA Foundation) 6e

P N Arora & S Arora

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Statistics. Written in concise and self-explanatory style, this book lucidly explains each concept with the help of solved examples. Keeping in view the new syllabus, a new chapter on Time Series Analysis has been included. Further, Statistical Tables for student's ready reference have also been included towards the end of the book.

Key Features

- 300+ examples have been provided throughout the text to aid students in understanding of the concepts
- Multiple choice questions having more than 1700 questions (with answers) as well as hints/solutions for select questions have been provided for practice
- Question bank having more than 950 questions has been provided at the end of each chapter to test understanding of the concepts

ISBN: 9789352833702 | Code: 9789352833702 | Price: ₹ 499 | Pages: 560 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Statistical Description of Data, 2. Measures of Central Tendency or Averages, 3. Measures of Dispersion, 4. Correlation Analysis, 5. Regression Analysis, 6. Time Series Analysis, 7. Probability, 8. Expected Value or Mathematical Expectation, 9. Theoretical Distributions, 10. Index Numbers • *Statistical Tables*

P N Arora, M.A., Ph.D. (DU), Former Professor of Mathematics Dayal Singh College University of Delhi, Delhi.



Business Economics (For CA Foundation)

S K Agarwal

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Business Economics. It has been revised and remodelled according to the newly introduced C.A. Foundation course. Written in concise and self-explanatory style, this book contains detailed notes and Multiple Choice Questions-Answers with detailed reasoning on Business Economics.

Key Features

- Over 375 chapter-end and 650 book-end multiple choice questions-answers with detailed reasoning to test and strengthen understanding of the concepts
- Specifically designed as per the new CA Foundation syllabus
- New chapter on Business Cycles

ISBN: 9789352833559 | Code: 9789352833559 | Price: ₹ 275 | Pages: 264 | Size: 6.75" X 9.5" (Paperback)

Contents

I. Introduction to Business Economics: 1. Nature and Scope of Business Economics, 2. Basic Problems of an Economy and Role of Price Mechanism, II: Theory of Demand and Supply: 1. Law of Demand and Elasticity of Demand, 2. Theory of Consumer Behaviour, 3. Law of Supply and Elasticity of Supply, III: Theory of Production and Cost: 1. Theory of Production, 2. Theory of Cost, IV: Price Determination in Different Markets: 1. Meaning and Types of Market, 2. Determination of Equilibrium Price, 3. Price – Output Determination under Different Market Forms, V: Business Cycles • *Additional Questions and Answers with Detailed Reasoning*

S K Agarwal, Faculty, The Institute of Chartered Accountants of India.



Business Laws (For CA Foundation) 6e

P P S Gogna

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Business Laws. Written in concise and self-explanatory style, this book provides conceptual knowledge and understanding of various acts, such as, The Indian Contract Act, 1872; The Sale of Goods Act, 1930; The Indian Partnership Act, 1932. Further, chapters on The Limited Liability Partnership Act, 2008 and The Companies Act, 2013, have also been incorporated in the book keeping in view the new syllabus.

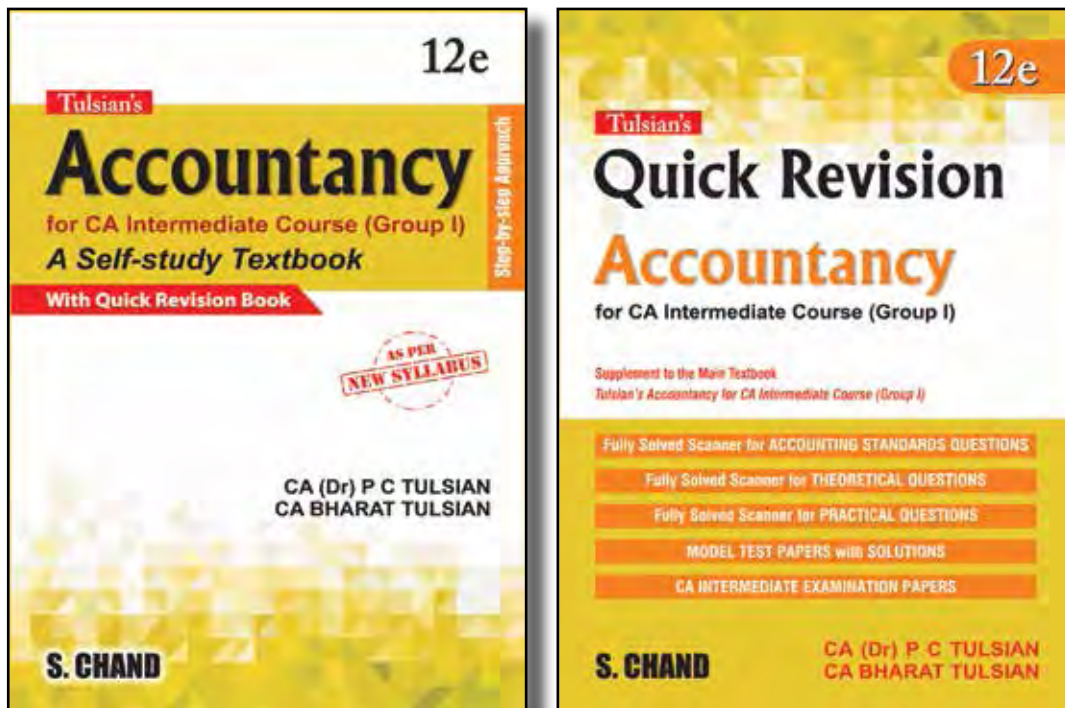
Key Features

- Over 400 Practical Type Analytical Examples
- More than 300 Subjective Examples with detailed notes
- 1400+ Multiple Choice Questions – Answers with detailed reasoning

ISBN: 9789352833566 | Code: 9789352833566 | Price: ₹ 499 | Pages: 696 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: The Indian Contract Act, 1872: 1. Nature and Kinds of Contracts, 2. Offer and Acceptance, 3. Consideration, 4. Capacity to Contract, 5. Free Consent, 6. Legality of Object and Consideration, 7. Void Agreements, 8. Contingent Contracts, 9. Quasi Contracts, 10. Performance of Contracts, 11. Discharge of Contracts, 12. Breach of Contract, Part-II: The Sale of Goods Act, 1930: 13. Nature and Formation of Contract of Sale, 14. Conditions and Warranties, 15. Transfer of Ownership and Delivery of Goods, 16. Unpaid Seller and His Rights, 17. Auction Sale, Part-III: The Indian Partnership Act, 1932: 18. General Nature of Partnership, 19. Registration of a Firm, 20. Rights and Duties of Partners (Mutual Relations of Partners), 21. Liabilities of the Firm and its Partners and Reconstitution of a Firm, 22. Dissolution of a Firm, Part-IV: The Limited Liability Act, 2008: 23. Nature and Scope of Limited Liability Partnerships, 24. Features, Characteristics and Business Operations, 25. Incorporation of LLP and Differences with Other Forms of Organizations, Part-V: The Companies Act, 2013: 26. Nature and Kinds of Companies, 27. Formation of a Company, 28. Memorandum of Association, 29. Articles of Association, 30. Shares of a Company, 31. Share Capital

**Accountancy For CA Intermediate Course (Group-I)
with Quick Revision, 12e****P C Tulsian & Bharat Tulsian****Combo
Pack****ISBN: 9789352535217 | Code: 9789352535217 | Price: ₹ 895 | Pages: 1224+296 | Size: 6.75" X 9.5" (Paperback)****About the Book****Accountancy for CA Intermediate Course (GROUP I)**

This new edition has been primarily designed for the students of CA Intermediate (Group I) course for the subject Accountancy. It has been revised and remodelled as per the new syllabus issued by the Institute of Chartered Accountants of India. This book serves as a self-study text and provides essential guidance for understanding complex accounting principles and practices. Based on the author's proven approach to teach yourself style, the book is replete with numerous illustrations, exhibits and solved problems.

Quick Revision – Accountancy for CA Intermediate Course (GROUP I)

This book is a companion to Tulsian's Accountancy for CA Intermediate Course (Group I). It provides a quick revision of the concepts discussed in the main textbook and helps students to test their knowledge. The book helps in making the revision process easy by providing candidates with fully-solved scanner, model test papers with solutions and CA Intermediate examination paper for practice. The content is exam-oriented, highly relevant and focuses on the important topics appearing in the exam.

Key Features**Accountancy for CA Intermediate Course (GROUP I)**

- Numerous exhibits to acquaint students with various accounting treatment and formats
- Close to 450 illustrations to aid understanding of the concepts
- Over 175 theoretical questions with answers and close to 450 solved problems along with working notes

Contents

Accountancy for CA Intermediate Course (GROUP I)

SECTION A–Textbook

1. Redemption of Redeemable Preference Shares
2. Redemption of Debentures
3. Accounting for Bonus Issue
4. Accounting for Taxes
- 5A. Managerial Remuneration
- 5B. Financial Statements of a Company
6. Cash Flow Statement
7. Profit Prior to Incorporation and Accounting for Business Acquisition
8. Accounting for Investments
9. Insurance Claims
10. Accounting for Hire Purchase and Installment Purchase
11. Accounting for Departments
- 12A. Accounting for Branches
- 12B. Accounting for Foreign Branches
13. Accounts from Incomplete Records [or Single Entry System]
- 14A. Dissolution of a Firm
- 14B. Partnership—Insolvency, Piecemeal Distribution and Sale
- 14C. Partnership—Amalgamation and Conversion

SECTION B–Accounting Standards

1. Preface To Accounting Standards
2. Framework for Preparation and Presentation of Financial Statements
3. AS 1 AS 1 – Disclosure of Accounting Policies
4. AS 2 AS 2 – Valuation of Inventories
5. AS 3 – Cash Flow Statement
6. AS 4 – Contingencies and Events Occurring After the Balance Sheet Date
7. AS 5 – Net Profit or Loss for the Period,

- Prior Period Items and Changes in Accounting Policies
8. AS 10 – Property, Plant and Equipment
9. AS 11 – The Effects of Changes in Foreign Exchange Rates
10. AS 12 – Accounting for Government Grants
11. AS 1 AS 13 – Accounting for Investments
12. AS 16 – Borrowing Cost
13. AS – AS 17 – Segment Reporting
14. AS 22 – Accounting for Taxes on Income

Quick Revision – Accountancy for CA Intermediate Course (GROUP I)

Section 1 - Tulsian's Fully-Solved Scanner For Accounting Standard Questions Preface to Accounting Standards Framework for Preparation and Presentation of Financial Statements

- AS 1 – Disclosure of Accounting Policies
- AS 2 – Valuation of Inventories
- AS 3 – Cash Flow Statement
- AS 4 – Contingencies and Events Occurring after the Balance Sheet Date
- AS 5 – Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies

- AS 10 – Property, Plant and Equipment
- AS 11 – The Effects of Changes in Foreign Exchange Rates
- AS 12 – Accounting for Government Grants
- AS 13 – Accounting for Investments
- AS 16 – Borrowing Cost
- AS 17 – Segment Reporting
- AS 22 – Accounting for Taxes on Income

Section 2 – Tulsian's Fully Solved Scanner For Theoretical Questions

Important Theoretical Questions

Section 3 – Tulsian's Fully Solved Scanner For Practical Questions

1. Redemption of Preference Shares
2. Redemption of Debentures
3. Accounting for Bonus Issue
4. Accounting for Taxes on Income
- 5A. Managerial Remuneration
- 5B. Financial Statements of a Company
6. Cash Flow Statement
7. Profit Prior to Incorporation and Accounting for Business Acquisition
8. Accounting for Investments
9. Insurance Claims
10. Accounting for Hire Purchase and Instalment Purchase
11. Accounting for Departments
- 12A. Accounting for Branches
- 12B. Accounting for Foreign Branches
13. Accounts from Incomplete Records [or Single Entry System]
- 14A. Dissolution of a Firm
- 14B. Partnership — Insolvency, Piecemeal Distribution and Sale
- 14C. Partnership — Amalgamation and Conversion

SECTION 4 – Tulsian's Model Test Papers With Solutions

Tulsian's Model Test Paper 1

Tulsian's Model Test Paper 2

SECTION 5 – CA Intermediate Examination Papers

CA Intermediate Examination Papers- Accounting (Group I)

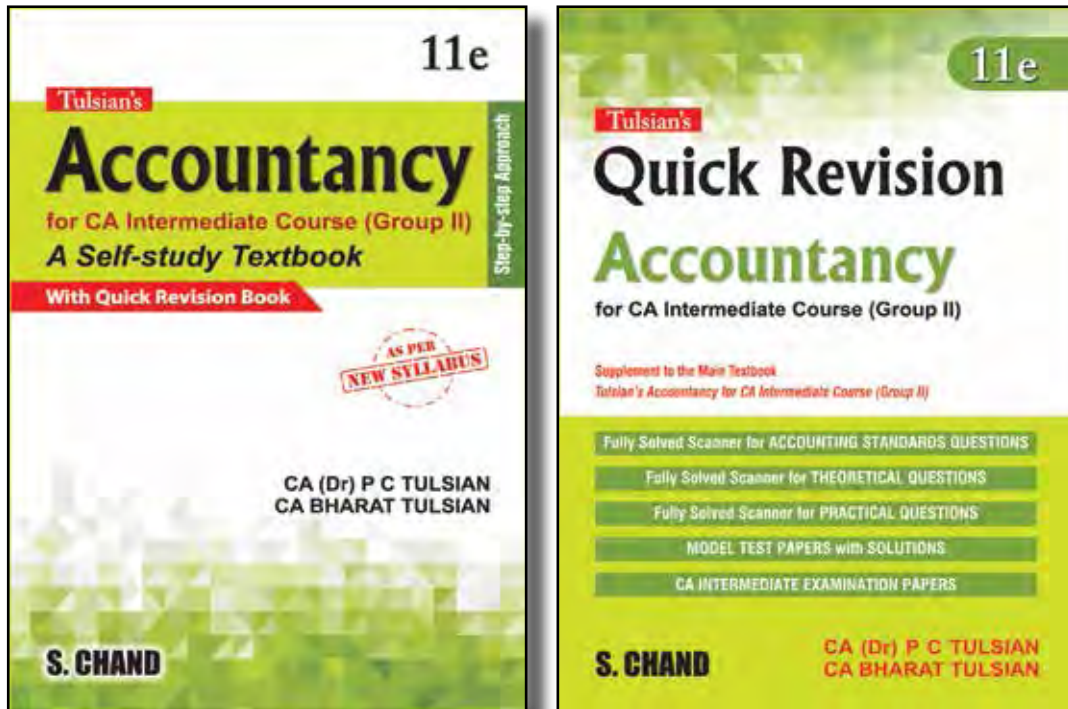
P C Tulsian, Additional Director (Former) Board of Studies, The Institute of Chartered Accountants of India, New Delhi and Principal Ramjas College University of Delhi.

Bharat Tulsian, Chartered Accountant, Alumnus of Sri Ram College of Commerce (SRCC), University of Delhi.

**Accountancy For CA Intermediate Course (Group-II)
with Quick Revision, 11e**

P C Tulsian & Bharat Tulsian

Combo
Pack



ISBN: 9789352535224 | code: 9789352535224 | Price: ₹ 795 | Pages: 920+248 | Size: 6.75" X 9.5" (Paperback)

About the Book

Accountancy for CA Intermediate Course (GROUP II)

This new edition has been primarily designed for the students of CA Intermediate (Group II) course for the subject Advanced Accounting. It has been revised and remodelled as per the new syllabus issued by the Institute of Chartered Accountants of India. This book serves as a self-study text and provides essential guidance for understanding complex accounting principles and practices. Based on the author's proven approach 6 teach yourself style, the book is replete with numerous illustrations, exhibits and solved problems.

Quick Revision – Accountancy for CA Intermediate Course (GROUP II)

This book is a companion to Tulsian's Accountancy for CA Intermediate Course (Group II). It provides a quick revision of the concepts discussed in the main textbook and helps students to test their knowledge. The book helps in making the revision process easy by providing candidates with fully-solved scanner, model test papers with solutions and CA Intermediate examination paper for practice. The content is exam-oriented, highly relevant and focuses on the important topics appearing in the exam.

Key Features

Accountancy for CA Intermediate Course (GROUP II)

- Numerous exhibits to acquaint students with various accounting treatment and formats
- Over 200 illustrations to aid understanding of the concepts

- Over 100 theoretical questions with answers and more than 350 solved problems along with working notes

Quick Revision – Accountancy for CA Intermediate Course (GROUP II)

- Fully Solved Scanner for Accounting Standards Questions
- Fully Solved Scanner for Theoretical Questions
- Fully Solved Scanner for Practical Questions
- Model Test Papers with Solutions
- CA Intermediate Examination Papers

Contents

Section A – Textbook

1. Accounting for Employee Stock Option Plan
2. Accounting for Buy-Back of Shares
3. Underwriting of Shares and Debentures
4. Amalgamation of Companies
5. Internal Reconstruction
6. Liquidation of Companies
7. Financial Statements of Life Insurance Companies
8. Financial Statements of General Insurance Companies
9. Financial Statements of Banking Companies
10. Non-Banking Financing Companies (NBFC)
11. Mutual Funds
12. Valuation of Goodwill
13. Consolidated Financial Statements [Holding Company Accounts]

Section B – Accounting Standards

1. AS 7 – Construction Contracts
2. AS 9 – Revenue Recognition
3. AS 14 – Accounting for Amalgamations
4. AS 18 –Related Party Disclosures
5. AS 19 – Leases
6. AS 20 – Earnings Per Share

7. AS 24 – Discontinuing Operations

8. AS 26 – Intangible Assets

9. AS 29 – Provisions, Contingent Liabilities and Contingent Assets

10. Application of Guidance Note

Quick Revision – Accountancy for CA Intermediate Course (GROUP II)

Section 1 – Tulsian's Fully-Solved Scanner For Accounting Standard Questions

AS 7 – Construction Contracts

AS 9 – Revenue Recognition

AS 14 – Accounting for Amalgamations

AS 18 –Related Party Disclosures

AS 19 – Leases

AS 20 – Earnings Per Share

AS 24 – Discontinuing Operations

AS 26 – Intangible Assets

AS 29 – Provisions, Contingent Liabilities and Contingent Assets

Section 2 – Tulsian's Fully Solved Scanner For Theoretical Questions

Important Theoretical Questions

Section 3 – Tulsian's Fully Solved Scanner For Practical Questions

1. Accounting for Employee Stock Option Plan

2. Accounting for Buy-Back of Shares

3. Underwriting of Shares and Debentures

4. Amalgamation of Companies

5. Internal Reconstruction

6. Liquidation of Companies

7. Financial Statements of Life Insurance Companies

8. Financial Statements of General Insurance Companies

9. Financial Statements of Banking Companies

Section 4 – Tulsian's Model Test Papers With Solutions

Tulsian's Model Test Paper 1

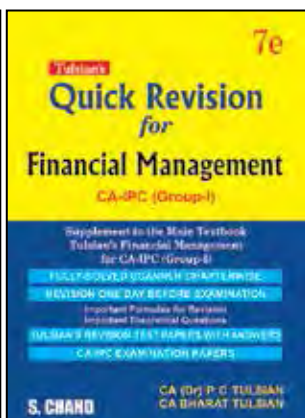
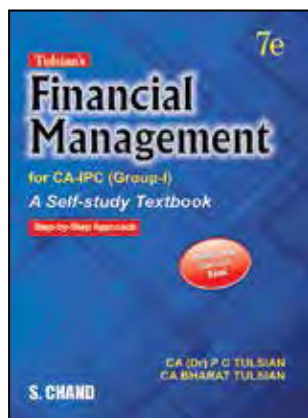
Tulsian's Model Test Paper 1

Section 5 – CA Intermediate Examination Papers

CA Intermediate Examination Papers-Advanced Accountancy (Group II)

P C Tulsian, Additional Director (Former) Board of Studies, The Institute of Chartered Accountants of India, New Delhi and Principal Ramjas College University of Delhi.

Bharat Tulsian, Chartered Accountant, Alumnus of Sri Ram College of Commerce (SRCC), University of Delhi.



Financial Management with Quick Revision (For Group-I), 7e

P C Tulsian & Bharat Tulsian

Combo Pack

About the Book

Understanding that value-based approach is critical for accounting students today, the 7th updated and revised edition of Tulsian's Financial Management for CA-IPC (Group I) strikes an effective balance between theory and application. This self-study text retains its focus on aiding students in conceptualising complex topics and is replete with illustrations and learning solutions to help them learn and understand what financial management is all about. Written in teach yourself style, this book serves as a tutor at home and is a trusted resource for financial management students of CA course.

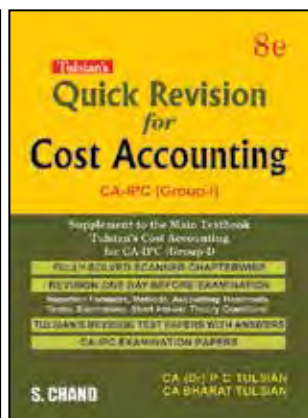
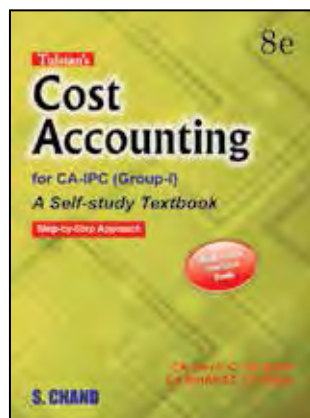
Key Features

- Over 100 exhibits to acquaint students with various accounting treatment and formats
- More than 400 illustrations have been provided for better understanding of the text
- 350+ solved problems (including quick revision) along with necessary working notes and alternative solution

ISBN: 9789352531738 | Code: 1007E00491 | Price: ₹ 850 | Pages: 912+448 | Size: 6.75" X 9.5" (Paperback)

Contents

FINANCIAL MANAGEMENT (MAIN TEXTBOOK): 1. Introduction to Financial Management, 2. Time Value of Money, 3. Capital Budgeting, 4. Cost of Capital, 5. Leverage, 6. Capital Structure Theories, 7. Working Capital Management – Estimation and Financing, 8. Working Capital Management – Receivables Management, 9. Working Capital Management – Inventory Management, 10. Working Capital Management – Cash Management, 11. Sources of Finance, 12. Ratio Analysis, 13. Cash Flow Statement, 14. Funds Flow Statement, **QUICK REVISION (SUPPLEMENT):** Section-I: Fully-Solved Scanner Chapter-wise, Section-II: Scanner for CA Examination Problems, Section-III: Revision one day before Examination, Section-IV: Tulsian's Revision Test Papers with Answers, Section-V: CA-IPC Examination Papers



Cost Accounting with Quick Revision (For Group-I), 9e & 8e

P C Tulsian & Bharat Tulsian

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About the Book

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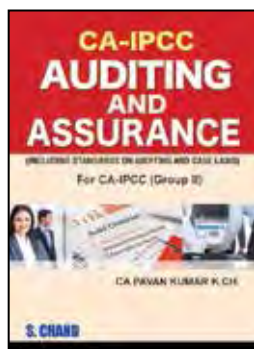
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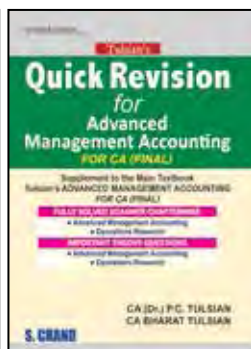
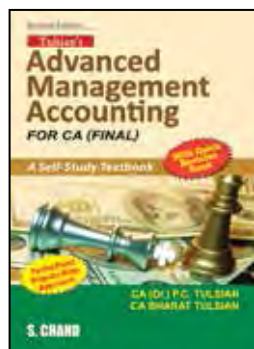
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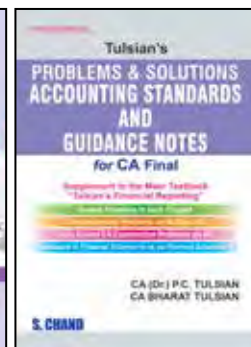
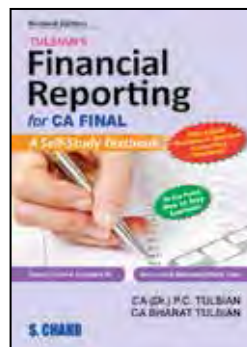
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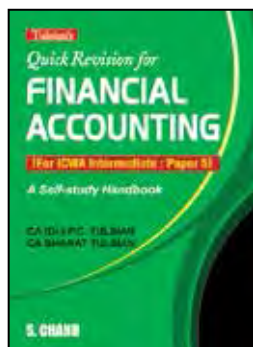
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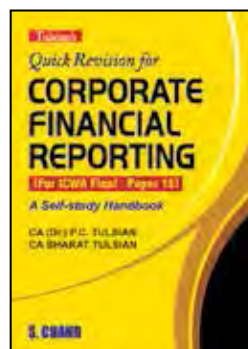
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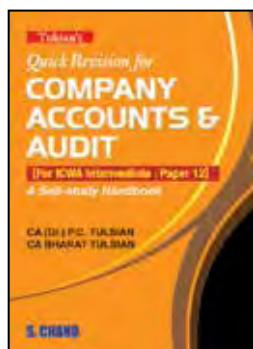
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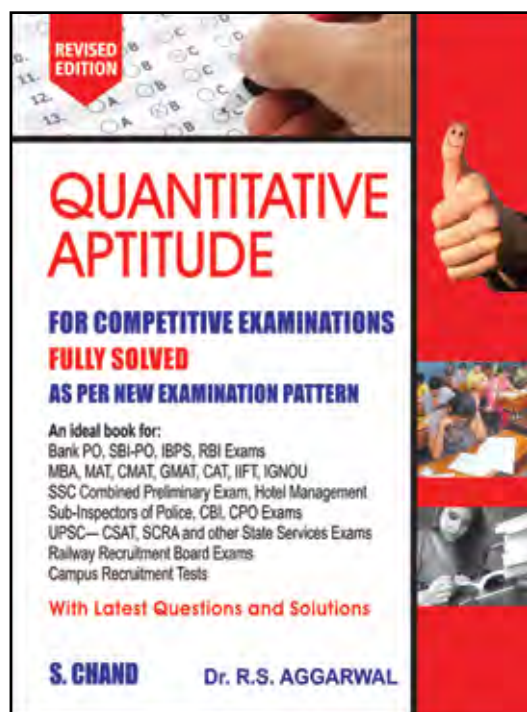
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Quantitative Aptitude for Competitive Examinations

Dr. R S Aggarwal

2 Colour
Edition

About the Book

Ever since its release in 1989, Quantitative Aptitude has come to acquire a special place of respect and acceptance among students and aspirants appearing for a wide gamut of competitive exams. Now, more than a quarter of a century later, with the ever changing environment of examinations, the book too reinvents itself while being resolute to its core concept of providing the best content with easily understandable solutions.

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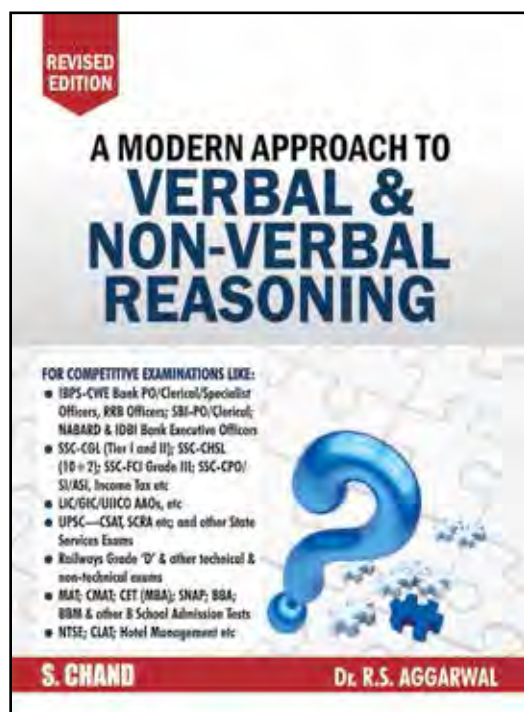


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7. Problems on Numbers	16. Pipes and Cisterns	27. Calendar	36. Tabulation
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	18. Time and Distance	29. Stocks and Shares	38. Pie Chart
	19. Boats and Streams	30. Permutations and	39. Line Graphs

R S Aggarwal was born on January 2, 1946 in a village of Delhi. He graduated from Kirori Mal College, University of Delhi. After completing his M.Sc. in Mathematics in 1969, he joined N.A.S. College, Meerut, as a lecturer. In 1976, he was awarded a fellowship for 3 years and joined the University of Delhi for his Ph.D. Thereafter, he was promoted as a reader in N.A.S. College, Meerut. In 1999, he joined M.M.H. College, Ghaziabad, as a reader and took voluntary retirement in 2003. He has authored more than 75 titles ranging from Nursery to M. Sc. He has also written books for competitive examinations right from the clerical grade to the I.A.S. level.



A Modern Approach to Verbal & Non-Verbal Reasoning

Revised Edition

2 Colour
Edition

Dr. R S Aggarwal

About the Book

This revised edition of *A Modern Approach to Verbal and Non-Verbal Reasoning*, while retaining the key strengths and structure of the previous edition, brings to the readers additional questions from various competitive examinations as per the latest pattern and trends. A section on recent questions (based on memory) and their answers/solutions from different competitive examinations like SSC, SBI-CGL Tier I, AFCAT, SBI (PO), RBI Grade B, etc. has been added.

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- By providing a huge number of questions for practice, with solutions that can teach one the right approach towards solving them.
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Part-I: Verbal Reasoning

Section-I: General Mental Ability

- Series Completion
- Analogy
- Classification
- Coding-Decoding
- Blood Relations
- Puzzle Test
- Sequential Output Tracing
- Direction Sense Test
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- Alphabet Test
- Alpha - Numeric Sequence Puzzle
- Number, Ranking & Time Sequence Test
- Mathematical Operations
- Logical Sequence of Words
- Arithmetical Reasoning

- Inserting the Missing Character

- Data Sufficiency

- Eligibility Test

- Assertion and Reason

- Situation Reaction Test

- Verification of Truth of the Statement

Section-II: Logical Deduction

- Logic

- Statement - Arguments

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- Statement - Courses of Action

- Statement - Conclusions

- Deriving Conclusions from Passages

- Theme Detection

- Cause and Effect Reasoning

Part-II: Non-Verbal Reasoning

- Series

- Analogy

- Classification

- Analytical Reasoning

- Mirror-Images

- Water-Images

- Spotting Out the Embedded Figures

- Completion of Incomplete Pattern

- Figure Matrix

- Paper Folding

- Paper Cutting

- Rule Detection

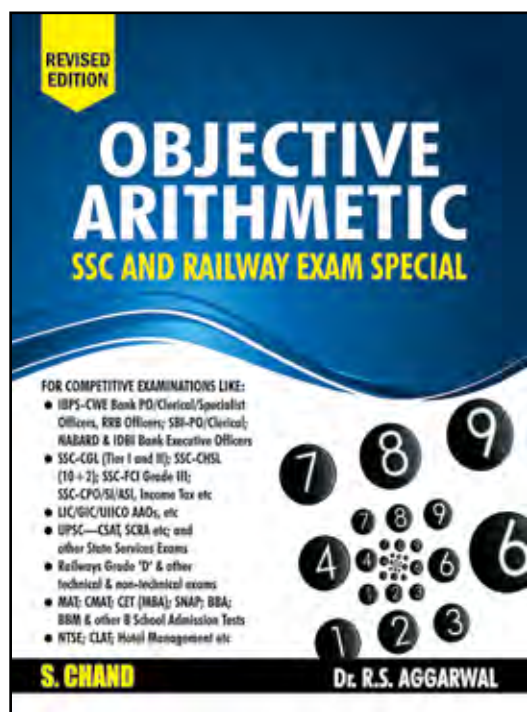
- Grouping of Identical Figures

- Cubes and Dice

- Dot Situation

- Construction of Squares and Triangles

- Figure Formation & Analysis



Objective Arithmetic (SSC and Railway Exam Special)

Revised Edition

2 Colour
Edition

Dr. R S Aggarwal

About the Book

This revised edition of *Objective Arithmetic* retains the novelty of the previous edition and continues to be extremely reader-friendly and practice-oriented. It brings to the readers additional questions from various competitive examinations like CDS, SSC-CGL, IBPS-CWE Bank PO, RBI Grade B, etc.

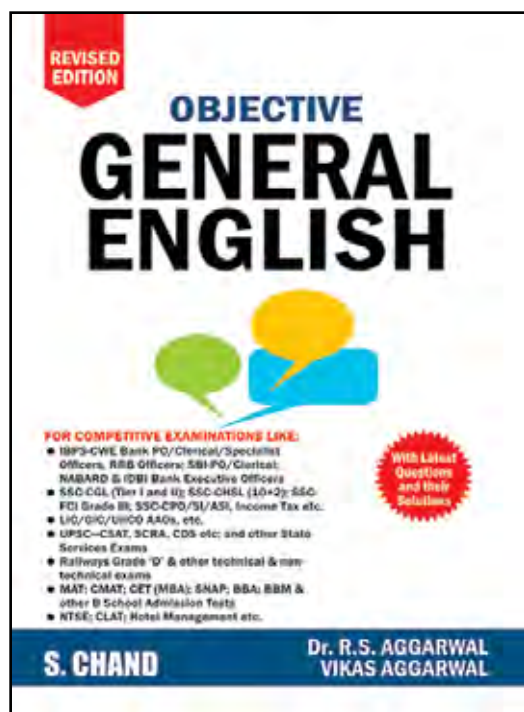
Key Features

- An additional section with new questions from recent examinations.
- These questions are based on the latest trend and pattern of examinations.
- Complete solutions added to facilitate better understanding of the problems.

ISBN: 9789352832224 | Code: 9789352832224 | Price: ₹ 595 | Pages: 548 | Size: 8.25" X 10.5" (Paperback)

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| 1. Number | 16. Pipes & Cisterns | 31. Linear Equations in Two Variables |
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| 3. Decimal Fractions | 18. Problems on Trains | 33. Arithmetic and Geometric Progressions (A.P. & G.P.) |
| 4. Simplification | 19. Boats & Streams | 34. Geometry |
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| 13. Partnership | 28. Calendar | 43. Line Graphs |
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Objective General English

Revised Edition

Dr. R S Aggarwal & Vikas Aggarwal

About the Book

Over the last 20 years this book has earned the reputation of being one of the market leaders in the subject and has helped you score high in the General English paper of most competitive examinations. With changing times and in keeping up with the modern trends in examination papers we have provided a Question Bank comprising questions from different competitive examinations held between 2010 and 2016. In addition, we have also provided a few Full-Length Examination Papers, with their answers, to give you the experience first-hand.

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2. Comprehensive Ability
3. Selecting Words / Phrases
4. Error Detection
5. Rearrangement
6. General Usage
7. Latest Question Bank
8. Latest Paper Scenario

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Contents

Unit-I: Vocabulary Usage

1. Synonyms
2. Antonyms
3. Vocabulary Test
4. Double Synonyms
5. Homonyms
6. One Word Substitution

Unit-II: Comprehension Ability

7. Comprehension-I
8. Comprehension-II
9. Theme Detection
10. Deriving Conclusions from Passages

Unit-III: Selecting Words/Phrases

11. Sentence Completion
12. Passage Completion
13. Choosing the Appropriate Filler

Unit-IV: Error Detection

14. Common Errors-How to Avoid Them?
15. Spotting Errors
16. Sentence Improvement
17. Passage Correction
18. Choosing the Correct/Incorrect Sentence

Unit-V: Rearrangement

19. Reconstruction of Sentences
20. Rearrangement of Sentences in a Paragraph
21. Reconstruction of Paragraphs
22. Rearrangement of Jumbled Parts
23. Word Formation

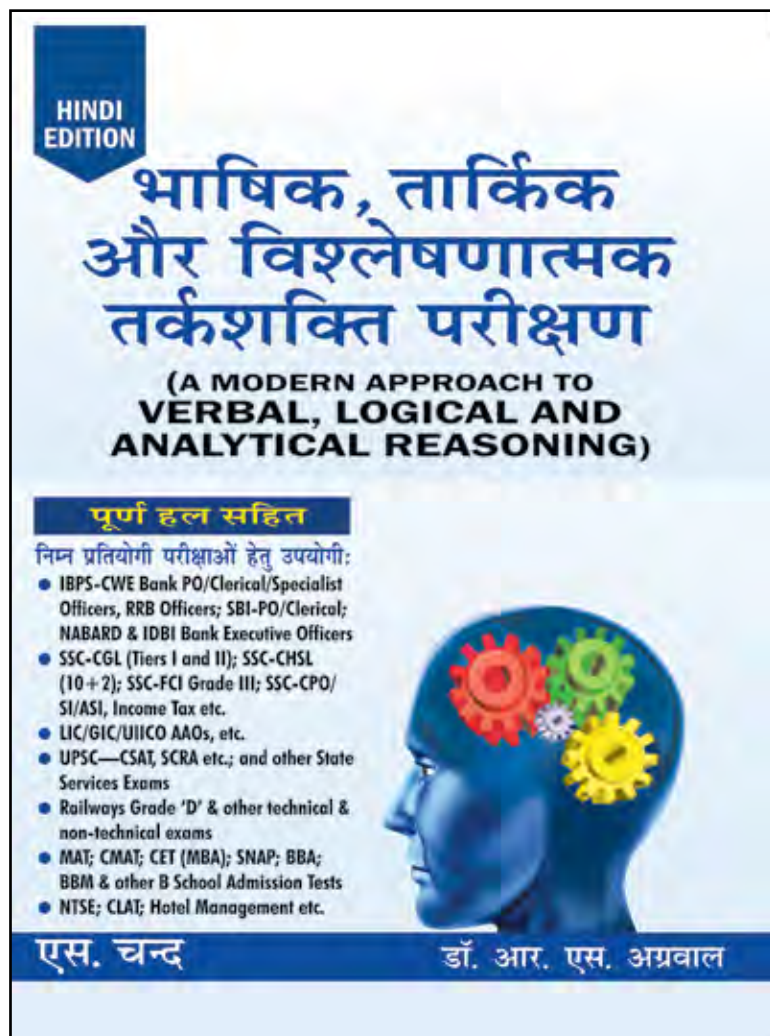
Unit-VI: General Usage

24. Idioms and Phrases

25. Active and Passive Voice

26. Direct and Indirect Speech
27. Transformation
28. Spelling Test

Unit-VII: Latest Paper Scenario



भाषिक, तार्किक और
विश्लेषणात्मक तर्कशक्ति
परीक्षण

New

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पुस्तक के विषय में

भाषिक, तार्किक और विश्लेषणात्मक तर्कशक्ति परीक्षण (Verbal, Logical and Analytical Reasoning) जैसे महत्वपूर्ण विज्ञान पर लिखी गयी इस पुस्तक के नए संस्करण को प्रस्तुत करने में हमें अपार प्रसन्नता हो रही है। आजकल प्रत्येक प्रतियोगी परीक्षा — MBA, MAT, CAT, Bank PO, LIC AAO, GIC AAO, SSC, Railways, Hotel Management, SBI-CGL Tier I, AFCAT, SBI (PO), RBI Grade B और यहाँ तक कि कैंपस साक्षात्कार में भी सफलता तर्कशक्ति अनुभाग में उम्मीदवार के प्रदर्शन पर निर्भर करती है। इसलिए इसके लिए बहुत तेज़, सधे हुए और बुद्धिमान दृष्टिकोण की आवश्यकता होती है। यह पुस्तक इस उद्देश्य को पूरा करती है।

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- नवीनतम परीक्षा पैटर्न के आधार पर प्रश्नों (स्मृति पर आधारित) का संग्रह।
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- हल सहित अभ्यास के ढेर सारे प्रश्नों का समावेश जो अन्य परीक्षाओं में समान प्रकृति के प्रश्नों को हल करने के लिए सही मार्गदर्शन दे सकते हैं।
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हाल के वर्षों में विभिन्न प्रतियोगी परीक्षाओं में पूछे गए अधिकांश प्रश्नों को इस पुस्तक में शामिल करने के लिए अथक प्रयास किए गए हैं, जिन्हें हमारे पाठक समय-समय पर स्मृति के आधार पर हमें भेजते रहे हैं। पाठकों की आवश्यकताओं और सुझावों को इस पुस्तक के संकलन के दौरान प्रमुख रूप से ध्यान में रखा गया है और मुझे विश्वास है कि यह पुस्तक प्रतियोगी परीक्षार्थियों को तर्कशक्ति के क्षेत्र में महारत दिलाएगा।

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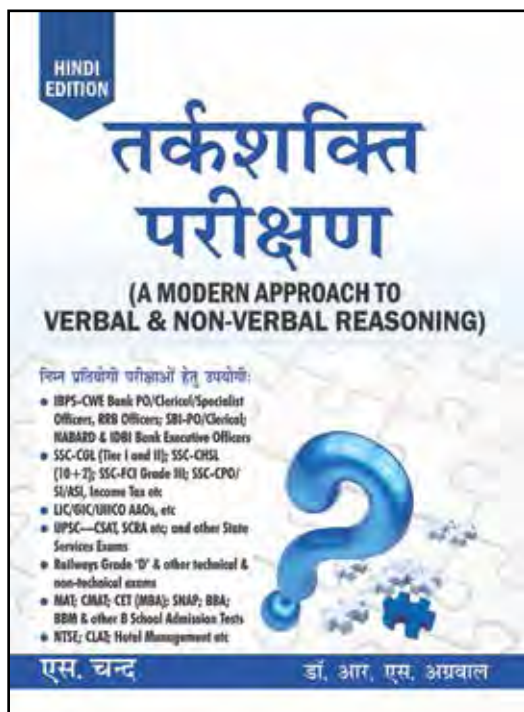
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खंड I-सामान्य मानसिक योग्यता (GENERAL MENTAL ABILITY)

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तर्कशक्ति परीक्षण

(A Modern Approach to
Verbal & Non-Verbal Reasoning)

डा. आर. एस. अग्रवाल

पुस्तक के विषय में

यह पुस्तक प्रसिद्ध लेखक आर एस अग्रवाल की 'ए मॉडर्न अप्रोच टू वर्बल और नॉन-वर्बल रीजनिंग' का हिन्दी अनुवाद है।

यह पुस्तक, तर्कशक्ति के एक बहुत ही अनोखे क्षेत्र में व्यापक रूप से प्रसिद्ध पुस्तक है। हाल के वर्षों में विभिन्न परीक्षाओं में पूछे गए अधिकांश प्रश्नों को शामिल करने के लिए कड़े प्रयास किए गए हैं, जिसमें हमारे पाठक समय-समय पर हमें स्मृति के आधार पर भेजते रहे हैं। प्रत्येक प्रतियोगी परीक्षा जैसे- M.B.A., M.A.T., C.A.T., Bank P.O., L.I.C.A.A.O., G.I.C.A.A.O., S.S.C., Railways, Hotel Management, SSC, SBI-CGL Tier I, AFCAT, SBI (PO), RBI Grade B और यहाँ तक कि Campus Interviews में भी सफलता, तर्कशक्ति अनुभाग करने में उपयोगी है।

प्रमुख विशेषताएँ

- नवीनतम परीक्षा पैटर्न के आधार पर प्रश्नों (स्मृति पर आधारित) की उपयुक्त व्यवस्था की गई है।
- एक वर्गीकृत, सुव्यवस्थित और श्रेणीबद्ध तरीके से नवीनतम पैटर्न पर आधारित भी प्रकार के प्रश्नों का कवरेज।

- अभ्यास के लिए बहुत सारे प्रश्न, ऐसे समाधानों के साथ जो समान प्रश्नों से निपटने के लिए एक सही दृष्टिकोण सिखा सकते हैं जो किसी अन्य परीक्षा में आ सकता है।
- प्रत्येक विषय का सार समझाने के लिए पूरी तरह से हल किए गए उदाहरण।

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पुस्तक के विषय में

विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अभ्यर्थियों के लिए यह पुस्तक 'नवीन अंकगणित' अत्यन्त लोकप्रिय एवं अच्छी पुस्तकों में से एक है। चूँकि इन परीक्षाओं के पाठ्यक्रमों में काफी बदलाव हुए हैं, जैसे अग्रिम गणित (एडवांस मैथमेटिक्स) को शामिल करना, इसलिए इस पुस्तक के संशोधित संस्करण की आवश्यकता महसूस की गयी। परीक्षाओं के नवीनतम पैटर्न को ध्यान में रखते हुए इस पुस्तक को संशोधित किया गया है।

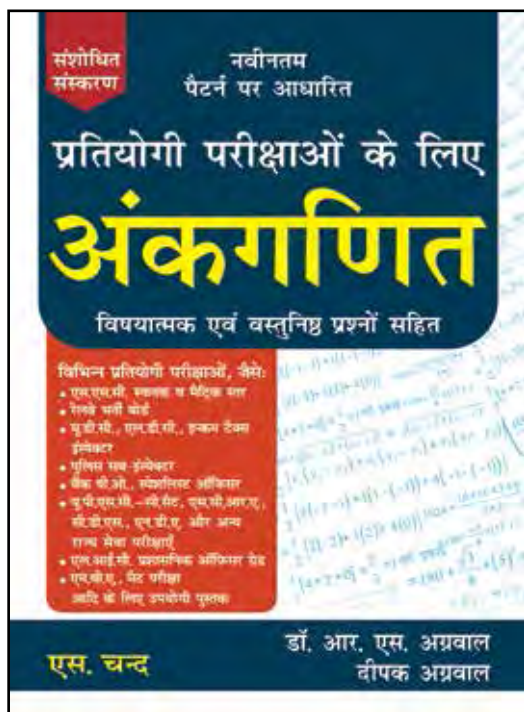
प्रमुख विशेषताएँ

- यह संस्करण नवीनतम पाठ्यक्रम एवं पैटर्न पर आधारित है।
- इसमें 3800 से अधिक हल प्रश्न दिये गये हैं।
- विभिन्न अवधारणाओं को लगभग 6000 उदाहरणों/प्रश्नों द्वारा सरलता से समझाया गया है।
- इसमें चार नये अध्याय-भिन्न, आयत-चित्र, निर्देशांक ज्यामिति, प्रिज्म और पिरामिड जोड़े गये हैं।
- एक अलग खण्ड में अतिरिक्त प्रश्नों का संग्रह (उत्तर सहित) दिया गया है।

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डा. आर. एस. अग्रवाल एवं दीपक अग्रवाल

पुस्तक के विषय में

यह हिन्दी में अंकगणित की एक विस्तृत पुस्तक है। इसे प्रतियोगी परीक्षाओं के नवीनतम पैटर्न के आधार पर संशोधित किया गया है। इसमें विषयात्मक एवं वस्तुनिष्ठ प्रश्नों का समावेश है। यह विभिन्न प्रतियोगी परीक्षाओं जैसे बैंक पीओ, स्टेट बैंक पीओ, आईबीपीएस, रिजर्व बैंक, कर्मचारी चयन आयोग, आरआरबी, सीबीआई एवं सीपीओ आदि के लिए उपयोगी है।

प्रमुख विशेषताएँ

- इसकी विषय-वस्तु विस्तृत है।
- इसमें लगभग 2750 हल प्रश्न (उत्तर सहित) दिये गये हैं। इनके अलावा, परीक्षार्थियों के अभ्यास के लिए प्रश्न भी दिये गये हैं।
- लगभग 700 हल उदाहरणों/प्रश्नों द्वारा विभिन्न अवधारणाओं को आसानी से समझाया गया है।
- पुस्तक के अंत में अतिरिक्त प्रश्न-उत्तर संग्रह दिया गया है।

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भाग-1: अंकगणितीय योग्यता

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4. सरलीकरण
5. वर्गमूल तथा घनमूल
6. औसत
7. संख्याओं पर आधारित प्रश्न
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10. प्रतिशतता
11. लाभ तथा हानि
12. अनुपात तथा समानुपात

13. साझा
14. मिश्र समानुपात
15. समय तथा कार्य
16. पाईप तथा टंकी के प्रश्न
17. समय तथा दूरी
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24. ठोस वस्तुओं के आयतन
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26. कैलेण्डर

27. घड़ी
28. स्टॉक तथा शेयर
29. मिती काटा
30. महाजनी बट्टा

भाग-2: समकों का विश्लेषण

31. सारणीयन
32. दण्ड-आलेख
33. रेखाचित्र
34. पाई-चार्ट

भाग-3: सामान्य सचेतता

35. संख्या श्रेणी

- अतिरिक्त: प्रश्न-उत्तर संग्रह



सरल अंकगणित प्रतियोगी परीक्षाओं के लिए (संशोधित संस्करण)

डा. आर. एस. अग्रवाल

पुस्तक के विषय में

विभिन्न प्रतियोगी परीक्षाओं की तैयारी कर रहे अभ्यर्थियों के लिए अंकगणित एक महत्वपूर्ण विषय है। अंकगणित शैक्षणिक एवं प्रतियोगी परीक्षाओं के पाठ्यक्रमों का एक अहम हिस्सा है। एक शिक्षक का हमेशा यह प्रयास रहता है कि वह अपने अंकगणित के विद्यार्थियों के प्रश्नों का सरल हल प्रस्तुत करे। अपने पूर्ववर्ती संस्करण की महत्वपूर्ण विशेषताओं को संजोए हुए यह संस्करण विद्यार्थियों में अंकगणित के प्रति रुचि जागृत करने और उन्हें अंकगणित के प्रश्नों का आसान हल प्रदान करने में सहायक होगा।

प्रमुख विशेषताएँ

- इसमें नवीनतम पाठ्यक्रम एवं पैटर्न पर आधारित वर्णनात्मक एवं वस्तुनिष्ठ प्रश्न दिये गये हैं।
- पुस्तक के अंत में अतिरिक्त प्रश्न-उत्तर संग्रह दिया गया है, जिसमें विभिन्न प्रतियोगी परीक्षाओं में पूछे गये प्रश्न दिये गये हैं। इनके अभ्यास से अभ्यर्थियों को सफलता प्राप्त करने में आसानी होगी।

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विषय-सूची

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3. दशमलव भिन्न
4. सरलीकरण
5. वर्गमूल तथा घनमूल
6. औसत
7. संख्याओं पर आधारित प्रश्न
8. आयु सम्बन्धी प्रश्न
9. घातांक तथा करणी
10. प्रतिशतता
11. लाभ तथा हानि
12. अनुपात तथा समानुपात
13. साझा
14. मिश्र समानुपात
15. समय तथा कार्य

16. पाईप तथा टंकी के प्रश्न
17. समय तथा दूरी
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19. धारा तथा नाव सम्बन्धी प्रश्न
20. मिश्रण
21. साधारण ब्याज
22. चक्रवृद्धि ब्याज
23. क्षेत्रफल
24. ठोस वस्तुओं के आयतन
25. दौड़
26. कैलेण्डर
27. घड़ी
28. स्टॉक तथा शेयर
29. मिती काटा
30. महाजनी बट्टा
31. बीजगणित

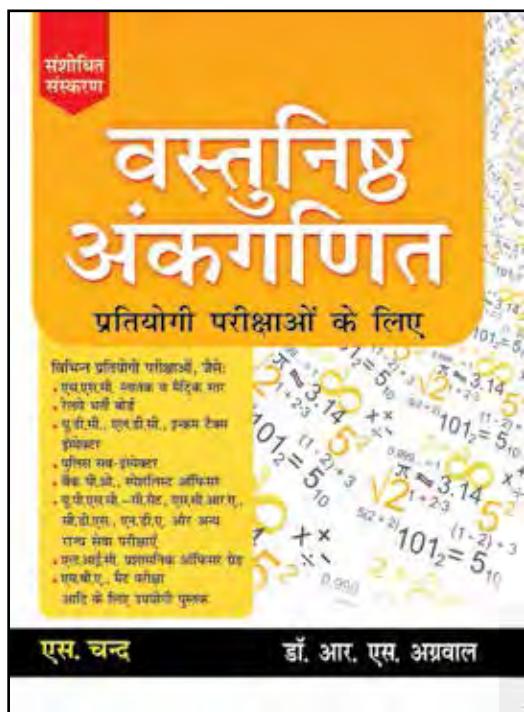
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33. द्विघात समीकरण
34. त्रिकोणमिति
35. रेखायें तथा कोण
36. त्रिभुज
37. चतुर्भुज
38. वृत्त
39. बहुभुज

भाग-2: समकों का विश्लेषण

40. सारणीयन
41. दण्ड-आलेख
42. रेखाचित्र
43. पाई-चार्ट

भाग-3: सामान्य सचेतता

44. संख्या श्रेणी
- अतिरिक्त: प्रश्न-उत्तर संग्रह



वस्तुनिष्ठ अंकगणित प्रतियोगी परीक्षाओं के लिए

(संशोधित संस्करण)

डा. आर. एस. अग्रवाल

पुस्तक के विषय में

जैसे वर्णनात्मक एवं वस्तुनिष्ठ अंकगणित शैक्षणिक पाठ्यक्रम का एक महत्वपूर्ण भाग होता है वैसे ही वस्तुनिष्ठ अंकगणित हर प्रतियोगी परीक्षा का एक अहम हिस्सा है। अपने पूर्ववर्ती संस्करण की प्रमुख विशेषताओं के साथ इस संस्करण में नवीनतम पैटर्न पर आधारित विभिन्न प्रतियोगी परीक्षाओं में पूछे गये अतिरिक्त प्रश्न दिये गये हैं।

प्रमुख विशेषताएँ

- इस संस्करण की विषय-वस्तु विस्तृत है। इसमें ज्यामिति, निर्देशांक ज्यामिति, समान्तर एवं गुणोत्तर श्रेणियाँ (एपी एवं जीपी) जैसे महत्वपूर्ण अध्याय दिये गये हैं।
- इसमें 2300 से अधिक प्रश्नों को उनके हल और उत्तर के साथ दिया गया है एवं परीक्षार्थियों के अभ्यास के लिए प्रश्न भी दिये गये हैं।
- विभिन्न अवधारणाओं को लगभग 500 हल उदाहरणों/प्रश्नों के द्वारा आसानी से समझाया गया है।
- पुस्तक के अंत में एक अतिरिक्त प्रश्न-उत्तर संग्रह जोड़ा गया है।

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| 7. संख्याओं पर आधारित प्रश्न | 21. साधारण ब्याज | 36. त्रिकोणमिति |
| 8. आयु सम्बन्धी प्रश्न | 22. चक्रवृद्धि ब्याज | 37. ऊँचाई तथा दूरी |
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| 11. लाभ तथा हानि | 25. मिती काटा | 40. सारणीयन |
| 12. अनुपात तथा समानुपात | 26. महाजनी बट्टा | 41. पाई-ग्राफ |
| 13. साझा | 27. शेयर तथा लाभांश | 42. दण्ड-आरेख |
| 14. मिश्र समानुपात | 28. कैलेण्डर | 43. रेखाचित्र |
| | 29. घड़ी | • अतिरिक्त: प्रश्न-उत्तर संग्रह |



संख्यात्मक अभियोग्यता

(संशोधित संस्करण)

डा. आर. एस. अग्रवाल, दीपक अग्रवाल एवं विकास अग्रवाल

पुस्तक के विषय में

प्रस्तुत पुस्तक के संशोधित संस्करण का सृजन विभिन्न आयोगों एवं बोर्डों द्वारा आयोजित प्रतियोगी परीक्षाओं के पाठ्यक्रमों का अनुसरण करते हुए किया गया है। इस पुस्तक में सभी प्रकार के वस्तुनिष्ठ प्रश्नों का अपार संकलन एवं उनके संक्षिप्त विधि से हल प्रस्तुत किये गये हैं। परन्तु पिछले कुछ वर्षों में परीक्षाओं के पाठ्यक्रमों में काफी बदलाव हुए हैं। इसे ध्यान में रखते हुए इस संस्करण में हर अध्याय के अंत में एक नया अतिरिक्त प्रश्न-उत्तर संग्रह जोड़ा गया है, जिसमें हाल ही की प्रतियोगी परीक्षाओं में से लिए गए प्रश्न हल सहित सम्मिलित किए गए हैं। नवीनतम शैली पर आधारित यह पुस्तक छात्रों को विभिन्न परीक्षाओं में सफल होने में सहायक सिद्ध होगी।

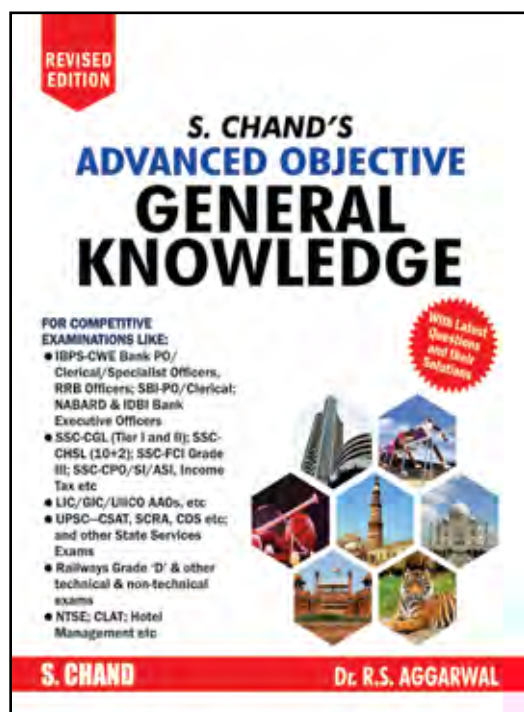
प्रमुख विशेषताएँ

- नवीनतम पैटर्न पर आधारित
- बहु-विकल्पीय प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- पिछले सालों के प्रश्न पत्र शामिल

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| 3. दशमलव भिन्न | 17. मिश्र समानुपात | 31. घड़ी |
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| 8. संख्याओं पर आधारित प्रश्न | 22. धारा एवं नाव सम्बन्धी प्रश्न | 36. श्रेढ़ी |
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| 14. अनुपात तथा समानुपात | 28. आयतन | |



S. Chand's Advanced Objective General Knowledge

Revised Edition

Dr. R S Aggarwal

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Over the years, Objective General Knowledge has been an indispensable book for the aspirants of different competitive examinations. Its popularity among its readers has never ebbed despite the presence of so many competing books from other publishers. To ensure this book retains the place of "first choice" among the readers, it has been revised in accordance with the current pattern and trends in various competitive examinations. Original questions (based on memory) from exams like SSC-SI, RBI-Officers Grade, State Services Examinations, Banking, CDS, Indian Railways and several others have been added in different sections of the book—General Science, History, Indian Polity, Economics, Geography, and General Awareness.

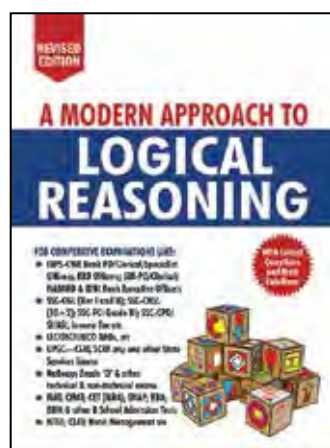
Key Features

- Virtual question bank comprising several thousand MCQs covering all the above subjects.
- Segregation of questions under separate headings to help the candidates to focus on each type of questions at a time.
- Specially designed Model Sets to present Matching Type Questions, Questions on Assertion-Reason and those based on Diagrams.

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Contents

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| 2. History | 5. Geography |
| 3. Indian Polity | 6. General Awareness |



A Modern Approach to Logical Reasoning, (Revised Edition)

Dr. R S Aggarwal

2 Colour Edition

About the Book

This revised edition of *A Modern Approach to Logical Reasoning*, while retaining the key strengths and structure of the previous edition, like presenting all types of questions and solved examples in a classified, well arranged, and graded manner, brings to the readers additional questions from various competitive examinations like SSC-CGL Tier I, CSAT, SBI (PO), RBI Grade B, etc.

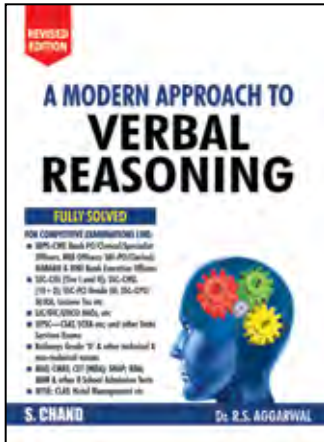
Key Features

- An additional section with new questions from recent examinations.
- These questions are based on the latest trend and pattern of examinations.
- Complete solutions have been added to provide a simple and clear understanding of the logic involved in the questions.

ISBN: 9789352832194 | Code: 9789352832194 | Price: ₹ 290 | Pages: 206 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Logic, 2. Statement – Arguments, 3. Statement – Assumptions, 4. Statement - Courses of Action, 5. Statement – Conclusions, 6. Deriving Conclusions from Passages, 7. Theme Detection, 8. Cause and Effect Reasoning



A Modern Approach to Verbal Reasoning, (Revised Edition)

Dr. R S Aggarwal

About the Book

Reasoning is an important section in every competitive examination, be it MBA, MAT, CAT, XAT, Bank PO, LIC AAO, GIC AAO, SSC, Railways, Hotel management, or even campus interviews. Much success depends on the candidate's performance in this section. This book covers the verbal reasoning part, which involves understanding and reasoning using concepts framed in words and numbers.

Key Features

- Questions based on the latest pattern in a classified, well arranged, and graded manner.
- Maximum number of questions for practice, with solutions that can teach one the right approach to deal with similar questions that one may come across elsewhere.
- Solved examples with full explanation to bring out the essence of each topic.
- Latest questions (based on memory) and their answers/solutions from different competitive examinations like SSC, SBI-CGL Tier I, RRB, Hotel Management, Railway Recruitment, CMAT, CSAT, etc.

2 Colour Edition

ISBN: 9789352832170 | Code: 9789352832170 | Price: ₹ 595 | Pages: 752 | Size: 8.25" X 10.5" (Paperback)

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A Modern Approach to Non-Verbal Reasoning, (Revised Edition)

Dr. R S Aggarwal

About the Book

Over the years, non-verbal reasoning has been an important part of aptitude tests across several recruitment processes as well as for competitive examination for admission to various courses. Much success depends on a candidate's performance in this section. Non-verbal questions appear in diagrammatic and pictorial form. Thus, a different kind of approach is required to tackle them.

This book guides the candidates through carefully designed path to take on this subject by providing:

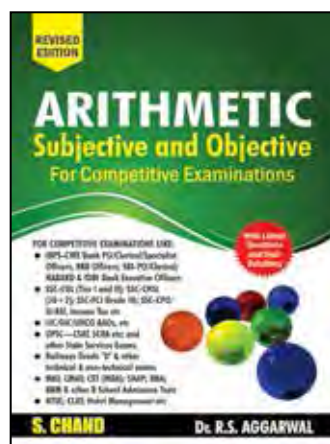
- All types of questions, in a classified, well arranged, and graded manner.
- A virtual question bank for practice that empower the candidate to deal with similar questions anywhere.
- A large number of solved examples.
- Complete solutions and clear understanding of the logic involved in the questions.

2 Colour Edition

ISBN: 9789352832187 | Code: 9789352832187 | Price: ₹ 455 | Pages: 520 | Size: 8.25" X 10.5" (Paperback)

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1. Series, 2. Analogy, 3. Classification, 4. Analytical Reasoning, 5. Mirror-Images, 6. Water-Images, 7. Spotting Out the Embedded Figures, 8. Completion of Incomplete Pattern, 9. Figure Matrix, 10. Paper Folding, 11. Paper Cutting, 12. Rule Detection, 13. Grouping of Identical Figures, 14. Cubes and Dice, 15. Dot Situation, 16. Construction of Squares and Triangles, 17. Figure Formation & Analysis • *Additional Questions with Answers*



Arithmetic (Subjective and Objective), (Revised Edition)

Dr. R S Aggarwal

About the Book

One of the key strengths of Arithmetic for Competitive Examinations has been that it includes both subjective and objective type questions, which is found in very few books in the market. It also lays down several short-cut methods to solve questions quickly—a crucial factor in succeeding in such exams.

Keeping up with the tradition of providing high class content to the readers, this edition, by way of revision, brings to the readers additional questions from various competitive examinations like AFCAT, SNAP, SSC-CGL, IBPS-CWE Bank Clerk, SBI PO, RBI Grade B Officers, etc.

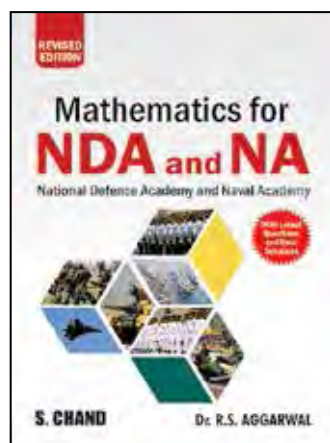
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Mathematics for NDA and NA, (Revised Edition)

Dr. R S Aggarwal

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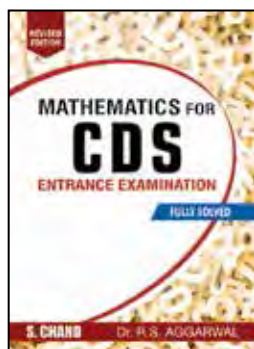
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Dr. R S Aggarwal

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Contents

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Dr. R S Aggarwal

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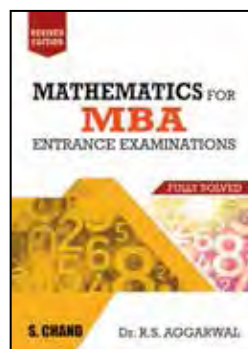
in mind the latest trends and pattern of question in various competitive examinations. Questions from exams like SBI-PO, RBI, IBPS RRB, SSC-CGL, etc., have been placed at the end of chapters for practice, along with their solutions.

Key Features

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Dr. R S Aggarwal

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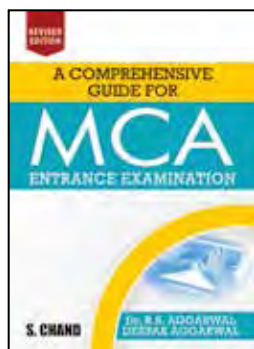
This book is an efficient Guide for the candidates preparing for the MBA entrance examinations. The book contains a huge accumulation of objective type questions (fully solved) by short-cut methods.

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Dr. R S Aggarwal &
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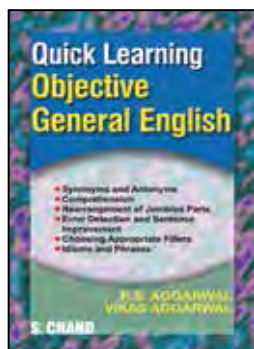
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Contents

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वस्तुनिष्ठ सामान्य हिन्दी प्रतियोगी परीक्षाओं के लिए (संशोधित संस्करण)

डा. आर. एस. अग्रवाल एवं
विकास अग्रवाल

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पुस्तक के विषय में

प्रस्तुत पुस्तक के संशोधित संस्करण का सृजन विभिन्न आयोगों एवं बोर्डों द्वारा आयोजित प्रतियोगी परीक्षाओं के पाठ्यक्रमों का अनुसरण करते हुए किया गया है। इस पुस्तक में महत्वपूर्ण परीक्षाएँ जैसे यूपी.पी.एस.सी., भारतीय डाक विभाग, पोस्टमैन/मेलगार्ड, कर्मचारी चयन आयोग कांस्टेबल परीक्षा, जूनियर हिन्दी अनुवादक परीक्षा, डी.एस.एस.बी., निम्न श्रेणी लिपिक परीक्षा इत्यादि के प्रश्नों का समावेश किया गया है। जिससे कि अभ्यर्थियों को परीक्षा-प्रश्नों की प्रवृत्ति एवं प्रकृति से अवगत कराया जा सके।

प्रमुख विशेषताएँ

- नवीनतम पैटर्न पर आधारित
- बहु-विकल्पीय प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- पिछले सालों के प्रश्न प्रत्र शामिल

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प्रतियोगी परीक्षाओं के लिए अंकगणित

डा. आर. एस. अग्रवाल

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हिन्दी भाषी राज्यों की सिविल सेवा परीक्षा, रेलवे सेवा, जीवन बीमा निगम, साधारण बीमा निगम, पुलिस, आयकर, आबकारी, बैंकिंग सेवा, फारेस्ट रेंजर्स, क्लर्कस ग्रेड परीक्षा, असिस्टेंट ग्रेड तथा दूसरी प्रतियोगी परीक्षाओं के लिए यह पुस्तक अत्यन्त उपयोगी है।

कुछ परीक्षाओं में विषयात्मक प्रश्न तथा अन्य परीक्षाओं में वस्तुनिष्ठ प्रश्न पूछे जाते हैं। अतः सभी परीक्षाओं की आपूर्ति हेतु दोनों प्रकार के प्रश्नों का अपार भण्डार इस पुस्तक में निहित है। विभिन्न परीक्षाओं में पूछे गये प्रश्नों के विवरण परीक्षार्थियों से पूछ कर उनकी स्मृति के

आधार पर एव विभिन्न प्रकार की बाजार में उपलब्ध मैगजीन आदि से दिये गये हैं।

विषय-सूची

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प्रतियोगी परीक्षाओं के लिए सरल सामान्य हिन्दी (संशोधित संस्करण)

डा. आर. एस. अग्रवाल एवं
विकास अग्रवाल

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पुस्तक के विषय में

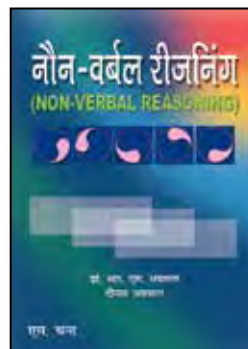
प्रस्तुत पुस्तक के संशोधित संस्करण का सृजन विभिन्न आयोगों एवं बोर्डों द्वारा आयोजित प्रतियोगी परीक्षाओं के पाठ्यक्रमों का अनुसरण करते हुए किया गया है। प्रस्तुत पुस्तक में ऐसे प्रश्नों को समाहित किया गया है जिसके अभ्यास से अभ्यर्थियों के बौद्धिक स्तर को ऊँचा उठाया जा सके। इस पुस्तक में विविध प्रकार के प्रतियोगी परीक्षा में पूछे गये प्रश्नों का अध्यायवार संकलन किया गया है जिससे कि अभ्यर्थियों को परीक्षा-प्रश्नों की प्रकृति से अवगत कराया जा सके। इस पुस्तक में उन सभी अध्यायों को शामिल किया गया, जिनसे परीक्षा में बहुतायत में प्रश्न पूछे जाते हैं।

प्रमुख विशेषताएँ

- नवीनतम पैटर्न पर आधारित
- बहु-विकल्पीय प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- पिछले सालों के प्रश्न प्रत्र शामिल

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1. व्याकरण-बोध, 2. बोध-शक्ति, 3. अनुच्छेद में रिक्त स्थानों की पूर्ति, 4. वाक्यों में रिक्त स्थानों की पूर्ति, 5. समानार्थी शब्द, 6. पर्यायवाची शब्द, 7. विपरीतार्थक शब्द, 8. वाक्यांश के लिए एक शब्द, 9. मुहावरे, 10. लोकोक्तियाँ, 11. वाक्य-शुद्धि, 12. वर्तनी-शुद्धि, 13. तत्सम-तद्भव, 14. सन्धि, 15. समास, 16. अव्यवस्थित वाक्य-खंडों से क्रमबद्ध वाक्य, 17. अव्यवस्थित वाक्य-खंडों से क्रमबद्ध अनुच्छेद, 18. वाक्य-भेद, 19. वाच्य, 20. बेमेल शब्द का चयन, 21. साहित्य-बोध, 22. अलंकार, 23. छन्द, 24. रस • अतिरिक्त प्रश्न



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विषय-सूची

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Quantitative Aptitude (Telugu Edition)

Dr. R S Aggarwal

ISBN: 9788121935531
Code: 1006C00179
Price: ₹ 625 | Pages: 880
Size: 6.75" X 9.5" (Paperback)



Quantitative Aptitude for Competitive Examinations (Bengali Edition)

Dr. R S Aggarwal

About the Book

This is **Bengali** version of one of the most popular book by Dr R S Aggarwal Quantitative Aptitude. Quantitative Aptitude has come to acquire a special place of respect and acceptance among students and aspirants appearing for a wide gamut of competitive exams. As a front-runner and a first choice, the book has solidly stood by the students and helped them fulfil their dreams by providing a strong understanding of the subject and even more rigorous practice of it. Now, more than a quarter of a century later, with the ever changing environment of examinations, the book too reinvents itself while being resolute to its core concept of providing the best content with easily understandable solutions. With the enhancements to an already robust book, we fulfil a long-standing demand of the readers to bring out a revised and updated edition, and sincerely hope they benefit immensely from it.

Salient features

1. A whole lot of objective-type questions, with their solutions by short-cut methods.
2. A full coverage of every topic via fully solved examples given at the beginning of each chapter.
3. A separate exercise on Data-Sufficiency-Type Questions given in each topic, along with explanatory solutions.
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ISBN: 9789352837076 | Code: 9789352837076 | Price: ₹ 599 | Size: 8.25" X 10.5" (Paperback)

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Naveen Ankaganit Pratiyogi Parikshaon Ke Liye (Bengali Edition)

New

नवीन अंकगणित प्रतियोगी परीक्षाओं के लिए

Dr. R S Aggarwal

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This is **Bengali** version of one of the most popular book by Dr R S Aggarwal Navin Ankaganit. From last few years the Navin Ankaganit became very popular among students who are appearing for competitive examinations. There are lots of changes in syllabus in last few years. This book specially designed according to new syllabus. In the most of competitive examinations, there are objective and subjective type questions, so, lots of such types of question with answers are incorporated in the book.

Salient features

An ideal book for:

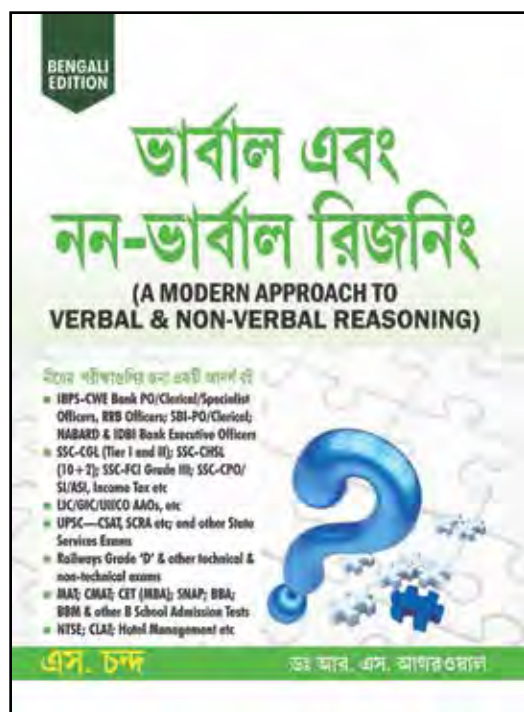
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7. Campus Recruitment Tests

ISBN: 9789352838615 | Code: 9789352838615 | Price: ₹ 450 | Size: 8.25" X 10.5" (Paperback)

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Modern Approach to Verbal & Non-Verbal Reasoning (Bengali Edition)

Forthcoming

Dr. R S Aggarwal

About the Book

This is **Bengali** version of one of the most popular book by Dr R S Aggarwal Verbal and Non Verbal Reasoning. The book carefully guides the candidates through faster, shorter and intelligent paths to take up the study of both the parts of the book, namely, Verbal, and Non-Verbal:

- By suitably arranging the questions based on the latest examination patterns.
- By providing a huge number of questions for practice, with solutions that can teach one the right approach towards solving them.
- By providing solved examples with full explanation to bring out the essence of each topic.

This comprehensive text will surely be an invaluable resource for the readers and help them master the subject.

Salient features

- Coverage of all types of questions based on the latest pattern in a classified, well arranged and graded manner.

- A whole lot of questions for practice, with solutions that can teach one the right approach to deal with similar questions that one may come across elsewhere.
- Fully solved examples to explain the essence of each topic.

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- Mathematical Operations
- Logical Sequence of Words
- Arithmetical Reasoning

- Inserting the Missing Character
- Data Sufficiency
- Eligibility Test
- Assertion and Reason
- Situation Reaction Test
- Verification of Truth of the Statemen

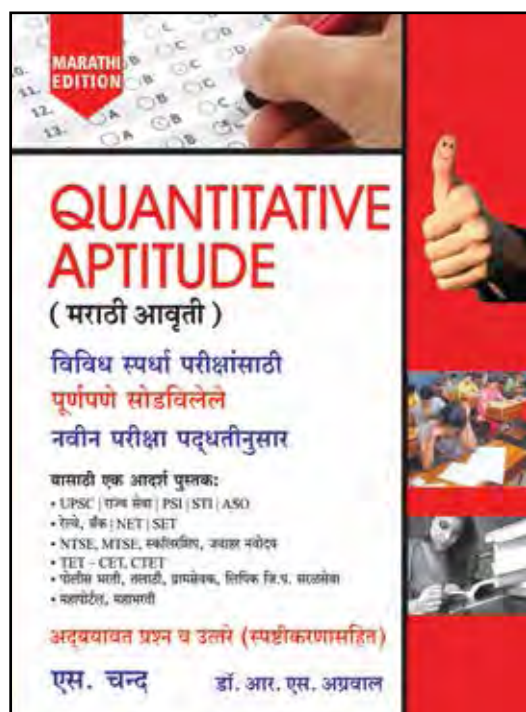
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- Statement - Assumptions
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- Dot Situation
- Construction of Squares and Triangles
- Figure Formation & Analysis



Quantitative Aptitude for Competitive Examinations (Marathi Edition)

New

Dr. R S Aggarwal

About the Book

This is Marathi version of one of the most popular book by Dr R S Aggarwal Quantitative Aptitude. Ever since its release in 1989, Quantitative Aptitude has come to acquire a special place of respect and acceptance among students and aspirants appearing for a wide gamut of competitive exams. As a front-runner and a first choice, the book has solidly stood by the students and helped them fulfil their dreams by providing a strong understanding of the subject and even more rigorous practice of it. Now, more than a quarter of a century later, with the ever changing environment of examinations, the book too reinvents itself while being resolute to its core concept of providing the best content with easily understandable solutions. With the enhancements to an already robust book, we fulfil a long-standing demand of the readers to bring out a revised and updated edition, and sincerely hope they benefit immensely from it.

Salient features

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ISBN: 9789352837083 | Code: 9789352837083 | Price: ₹ 499 | Pages: 1024 | Size: 8.25" X 10.55" (Paperback)

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Naveen Ankaganit Pratiyogi Parikshaon Ke Liye (Marathi Edition)



नवीन अंकगणित प्रतियोगी परीक्षाओं के लिए

Dr. R S Aggarwal

पुस्तक के विषय में

विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अभ्यर्थियों के लिए यह पुस्तक 'नवीन अंकगणित' अत्यन्त लोकप्रिय एवं अच्छी पुस्तकों में से एक है। चूँकि इन परीक्षाओं के पाठ्यक्रमों में काफी बदलाव हुए हैं, जैसे अग्रिम गणित (एडवांस मैथमेटिक्स) को शामिल करना, इसलिए इस पुस्तक के संशोधित संस्करण की आवश्यकता महसूस की गयी। परीक्षाओं के नवीनतम पैटर्न को ध्यान में रखते हुए इस पुस्तक को संशोधित किया गया है।

प्रमुख विशेषताएँ

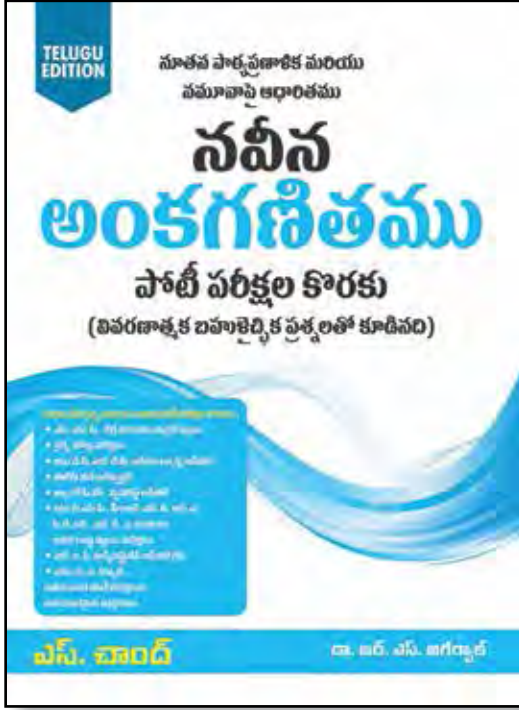
- यह संस्करण नवीनतम पाठ्यक्रम एवं पैटर्न पर आधारित है।
- इसमें 3800 से अधिक हल प्रश्न दिये गये हैं।

- विभिन्न अवधारणाओं को लगभग 6000 उदाहरणों/प्रश्नों द्वारा सरलता से समझाया गया है।
- इसमें चार नये अध्याय-भिन्न, आयत-चित्र, निर्देशांक ज्यामिति, प्रिज्म और पिरामिड जोड़े गये हैं।
- एक अलग खण्ड में अतिरिक्त प्रश्नों का संग्रह (उत्तर सहित) दिया गया है।

ISBN: 9789352838240 | Code: 9789352838240 | Price: ₹ 450 | Pages: 732 | Size: 8.25" X 10.55" (Paperback)

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Naveen Ankaganit Pratiyogi Parikshaon Ke Liye (Telugu Edition)

Forthcoming

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- Coverage of all types of questions based on the latest pattern in a classified, well arranged and graded manner.

- A whole lot of questions for practice, with solutions that can teach one the right approach to deal with similar questions that one may come across elsewhere.
- Fully solved examples to explain the essence of each topic.

Contents

Part-I: Verbal Reasoning

Section-I: General Mental Ability

- Series Completion
- Analogy
- Classification
- Coding-Decoding
- Blood Relations
- Puzzle Test
- Sequential Output Tracing
- Direction Sense Test
- Logical Venn Diagrams
- Alphabet Test
- Alpha - Numeric Sequence Puzzle
- Number, Ranking & Time Sequence Test
- Mathematical Operations

- Logical Sequence of Words

- Arithmetical Reasoning

- Inserting the Missing Character

- Data Sufficiency

- Eligibility Test

- Assertion and Reason

- Situation Reaction Test

- Verification of Truth of the Statemen

Section-II: Logical Deduction

- Logic

- Statement - Arguments

- Statement - Assumptions

- Statement - Courses of Action

- Statement - Conclusions

- Deriving Conclusions from Passages

- Theme Detection

- Cause and Effect Reasoning

Part-II: Non-Verbal Reasoning

- Series

- Analogy

- Classification

- Analytical Reasoning

- Mirror-Images

- Water-Images

- Spotting Out the Embedded Figures

- Completion of Incomplete Pattern

- Figure Matrix

- Paper Folding

- Paper Cutting

- Rule Detection

- Grouping of Identical Figures

- Cubes and Dice

- Dot Situation

- Construction of Squares and Triangles

- Figure Formation & Analysis



A Modern Approach to Verbal & Non-Verbal Reasoning

(Tamil Edition)

Forthcoming

Dr. R S Aggarwal

About the Book

This is **Tamil** version of one of the most popular book by Dr R S Aggarwal Verbal and Non Verbal Reasoning. The book carefully guides the candidates through faster, shorter and intelligent paths to take up the study of both the parts of the book, namely, Verbal, and Non-Verbal:

- By suitably arranging the questions based on the latest examination patterns.
- By providing a huge number of questions for practice, with solutions that can teach one the right approach towards solving them.
- By providing solved examples with full explanation to bring out the essence of each topic.

This comprehensive text will surely be an invaluable resource for the readers and help them master the subject.

Salient features

- (i) Coverage of all types of questions based on the latest pattern in a classified, well arranged and graded manner.
- (ii) A whole lot of questions for practice, with solutions that can teach one the right approach to deal with similar questions that one may come across elsewhere.
- (iii) Fully solved examples to explain the essence of each topic.

Contents

Part-I: Verbal Reasoning	13. Mathematical Operations	Action	8. Completion of Incomplete Pattern
<i>Section-I: General Mental Ability</i>	14. Logical Sequence of Words	5. Statement - Conclusions	9. Figure Matrix
1. Series Completion	15. Arithmetical Reasoning	6. Deriving Conclusions from Passages	10. Paper Folding
2. Analogy	16. Inserting the Missing Character	7. Theme Detection	11. Paper Cutting
3. Classification	17. Data Sufficiency	8. Cause and Effect Reasoning	12. Rule Detection
4. Coding-Decoding	18. Eligibility Test	Part-II: Non-Verbal Reasoning	13. Grouping of Identical Figures
5. Blood Relations	19. Assertion and Reason	1. Series	14. Cubes and Dice
6. Puzzle Test	20. Situation Reaction Test	2. Analogy	15. Dot Situation
7. Sequential Output Tracing	21. Verification of Truth of the Statemen	3. Classification	16. Construction of Squares and Triangles
8. Direction Sense Test	<i>Section-II: Logical Deduction</i>	4. Analytical Reasoning	17. Figure Formation & Analysis
9. Logical Venn Diagrams	1. Logic	5. Mirror-Images	
10. Alphabet Test	2. Statement - Arguments	6. Water-Images	
11. Alpha - Numeric Sequence Puzzle	3. Statement - Assumptions	7. Spotting Out the Embedded Figures	
12. Number, Ranking & Time Sequence Test	4. Statement - Courses of		



Quantitative Aptitude for Competitive Examinations (Kannada Edition)

Forthcoming

Dr. R S Aggarwal

About the Book

This is **Kannada** version of one of the most popular book by Dr R S Aggarwal Quantitative Aptitude. Ever since its release in 1989, Quantitative Aptitude has come to acquire a special place of respect and acceptance among students and aspirants appearing for a wide gamut of competitive exams. As a front-runner and a first choice, the book has solidly stood by the students and helped them fulfil their dreams by providing a strong understanding of the subject and even more rigorous practice of it. Now, more than a quarter of a century later, with the ever changing environment of examinations, the book too reinvents itself while being resolute to its core concept of providing the best content with easily understandable solutions. With the enhancements to an already robust book, we fulfil a long-standing demand of the readers to bring out a revised and updated edition, and sincerely hope they benefit immensely from it.

Key Features

1. A whole lot of objective-type questions, with their solutions by short-cut methods.
2. A full coverage of every topic via fully solved examples given at the beginning of each chapter.
3. A separate exercise on Data-Sufficiency-Type Questions given in each topic, along with explanatory solutions.
4. A more enriched section on Data Interpretation.
5. Questions from latest years' examination papers (on memory basis) have been incorporated.

ISBN: 9789352837090 | Code: 9789352837090 | Price: ₹ 599 | Pages: 960 | Size: 8.25" X 10.55" (Paperback)

Contents

Section-I: Arithmetical Ability			
1. Number System	9. Surds and Indices	20. Problems on Trains	Combinations
2. H.C.F. and L.C.M. of Numbers	10. Logarithms	21. Alligation or Mixture	31. Probability
3. Decimal Fractions	11. Percentage	22. Simple Interest	32. True Discount
4. Simplification	12. Profit and Loss	23. Compound Interest	33. Banker's Discount
5. Square Roots and Cube Roots	13. Ratio and Proportion	24. Area	34. Heights and Distances
6. Average	14. Partnership	25. Volume and Surface Area	35. Odd Man Out and Series
7. Problems on Numbers	15. Chain Rule	26. Races and Games of Skill	Section-II: Data Interpretation
8. Problems on Ages	16. Pipes and Cisterns	27. Calendar	36. Tabulation
	17. Time and Work	28. Clocks	37. Bar Graphs
	18. Time and Distance	29. Stocks and Shares	38. Pie Chart
	19. Boats and Streams	30. Permutations and	39. Line Graphs

R S Aggarwal was born on January 2, 1946 in a village of Delhi. He graduated from Kirori Mal College, University of Delhi. After completing his M.Sc. in Mathematics in 1969, he joined N.A.S. College, Meerut, as a lecturer. In 1976, he was awarded a fellowship for 3 years and joined the University of Delhi for his Ph.D. Thereafter, he was promoted as a reader in N.A.S. College, Meerut. In 1999, he joined M.M.H. College, Ghaziabad, as a reader and took voluntary retirement in 2003. He has authored more than 75 titles ranging from Nursery to M. Sc. He has also written books for competitive examinations right from the clerical grade to the I.A.S. level.



Objective Arithmetic (SSC and Railway Exam Special) (Punjabi Edition)

Forthcoming

Dr. R S Aggarwal

About the Book

This revised edition of *Objective Arithmetic* retains the novelty of the previous edition and continues to be extremely reader-friendly and practice-oriented. It brings to the readers additional questions from various competitive examinations like CDS, SSC-CGL, IBPS-CWE Bank PO, RBI Grade B, etc.

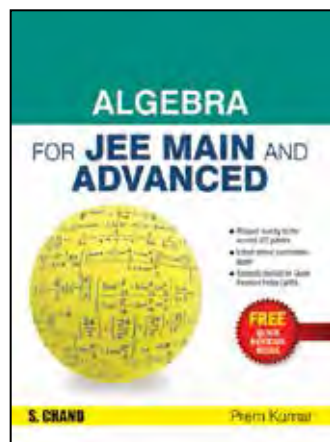
Key Features

- An additional section with new questions from recent examinations.
- These questions are based on the latest trend and pattern of examinations.
- Complete solutions added to facilitate better understanding of the problems.

ISBN: 9789352837380 | Code: 9789352837380 | Price: ₹ 450 | Pages: 536 | Size: 8.25" X 10.5" (Paperback)

Contents

- | | | |
|-------------------------------|----------------------------|---|
| 1. Number | 16. Pipes & Cisterns | 31. Linear Equations in Two Variables |
| 2. H.C.F. & L.C.M. of Numbers | 17. Time & Distance | 32. Quadratic Equations |
| 3. Decimal Fractions | 18. Problems on Trains | 33. Arithmetic and Geometric Progressions (A.P. & G.P.) |
| 4. Simplification | 19. Boats & Streams | 34. Geometry |
| 5. Square Root and Cube Root | 20. Alligation or Mixture | 35. Polygons |
| 6. Average | 21. Simple Interest | 36. Trigonometry |
| 7. Problems on Numbers | 22. Compound Interest | 37. Heights and Distances |
| 8. Problems on Ages | 23. Area | 38. Co-Ordinate Geometry |
| 9. Surds and Indices | 24. Volume & Surface Areas | 39. Number Series |
| 10. Percentage | 25. True Discount | 40. Tabulation |
| 11. Profit & Loss | 26. Banker's Discount | 41. Pie-Chart |
| 12. Ratio & Proportion | 27. Stock & Shares | 42. Bar Diagram |
| 13. Partnership | 28. Calendar | 43. Line Graphs |
| 14. Chain Rule | 29. Clocks | |
| 15. Time & Work | 30. Races & Games of Skill | |



Algebra for JEE Main and Advanced

Prem Kumar

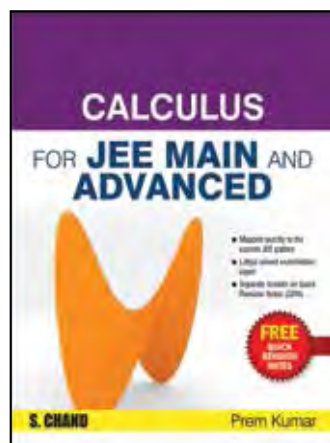
About the Book

Algebra for Main and Advanced is a part of the series of five books in Mathematics aimed at providing detailed, mapped coverage of the subject to the latest pattern of JEE. The book adopts a unique objective approach to guidance through which a student can acquire mastery of the concepts and the skills required to tackle questions asked in different formats in JEE Main and Advanced, as well as in other regional engineering entrance examination. It uses a right mix of illustrations and examples to explain concepts and help students develop problem-solving skills accurately and arrive at a solution in a limited time.

Key Features

- Chapters are divided under heads to cover the syllabi of JEE Main and Advanced
- Important points of the topics have been highlighted in the text. "Notes" comprise some extra points related to the topics to enrich the students.
- Solved Examples and detailed explanation given to help tackle the problems systematically.
- Answer/Solutions to all the questions provided.
- Questions have been divided into several types: Subjective Type, Single Correct Answer Type, Multiple Correct Answer Type, Assertion-Reason Type, Matching Type, Integer Type, Passage Based, etc.

ISBN: 9789352830053 | Code: 10HE000035 | Price: ₹ 575 | Pages: 616 | Size: 8.25" X 10.5" (Paperback)



Calculus for JEE Main and Advanced

Prem Kumar

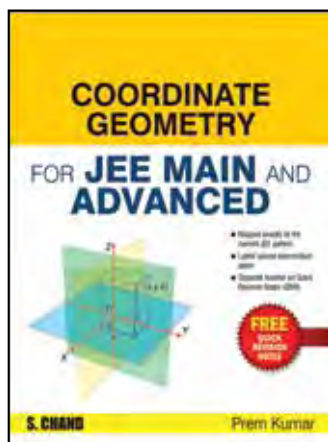
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ISBN: 9789352830114 | Code: 9789352830114 | Price: ₹ 675 | Pages: 724 | Size: 8.25" X 10.5" (Paperback)



Coordinate Geometry for JEE Main & Advanced

Prem Kumar

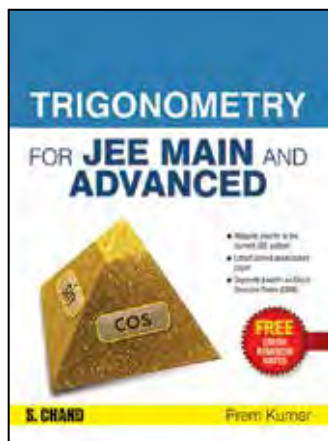
About the Book

Coordinate Geometry for Main and Advanced is a part of the series of five books in Mathematics aimed at providing detailed, mapped coverage of the subject to the latest pattern of JEE. The book adopts a unique objective approach to guidance through which a student can acquire mastery of the concepts and the skills required to tackle questions asked in different formats in JEE Main and Advanced, as well as in other regional engineering entrance examination. It uses a right mix of illustrations and examples to explain concepts and help students develop problem-solving skills accurately and arrive at a solution in a limited time.

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ISBN: 9789352830060 | Code: 10HE000036 | Price: ₹ 395 | Pages: 412 | Size: 8.25" X 10.5" (Paperback)



Trigonometry for JEE Main and Advanced

Prem Kumar

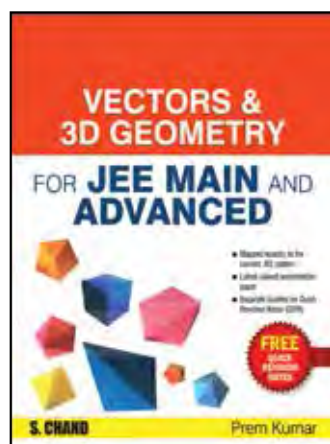
About the Book

Trigonometry for Main and Advanced is a part of the series of five books in Mathematics aimed at providing detailed, mapped coverage of the subject to the latest pattern of JEE. The book adopts a unique objective approach to guidance through which a student can acquire mastery of the concepts and the skills required to tackle questions asked in different formats in JEE Main and Advanced, as well as in other regional engineering entrance examination. It uses a right mix of illustrations and examples to explain concepts and help students develop problem-solving skills accurately and arrive at a solution in a limited time.

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- Questions have been divided into several types: Subjective Type, Single Correct Answer Type, Multiple Correct Answer Type, Assertion-Reason Type, Matching Type, Integer Type, Passage Based, etc.

ISBN: 9789352830091 | Code: 10HE000042 | Price: ₹ 325 | Pages: 342 | Size: 8.25" X 10.5" (Paperback)



Vectors & 3D Geometry for JEE Main and Advanced

Prem Kumar

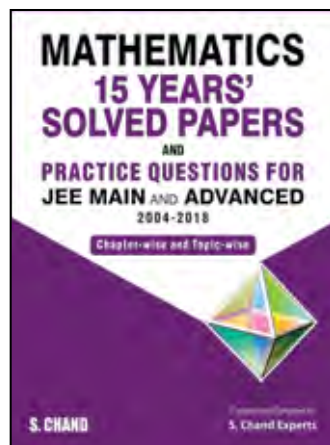
About the Book

Vectors & 3D Geometry for Main and Advanced is a part of the series of five books in Mathematics aimed at providing detailed, mapped coverage of the subject to the latest pattern of JEE. The book adopts a unique objective approach to guidance through which a student can acquire mastery of the concepts and the skills required to tackle questions asked in different formats in JEE Main and Advanced, as well as in other regional engineering entrance examination. It uses a right mix of illustrations and examples to explain concepts and help students develop problem-solving skills accurately and arrive at a solution in a limited time.

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- Solved Examples and detailed explanation given to help tackle the problems systematically.
- Answer/Solutions to all the questions provided.
- Questions have been divided into several types: Subjective Type, Single Correct Answer Type, Multiple Correct Answer Type, Assertion-Reason Type, Matching Type, Integer Type, Passage Based, etc.

ISBN: 9789352830107 | Code: 10HE000043 | Price: ₹ 200 | Pages: 200 | Size: 8.25" X 10.5" (Paperback)



Mathematics 15 Years' Solved Papers & Practice Questions for JEE Main and Advanced

S. Chand Experts

About the Book

This book consists of last 15 years' JEE Main and Advanced solved papers of Mathematics. Each question is followed by a detailed solution with diagrams and comprehensive reasoning for full conceptual clarity, as per the latest pattern and syllabus.

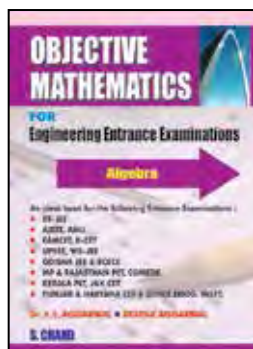
Key Features

- Chapter-wise & Topic-wise Questions with Answers/Solutions
- Full length Mock Tests
- Practice Questions

ISBN: 9789352835140 | Code: 9789352835140 | Price: ₹ 490 | Pages: 668 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Sets and Relations, 2. Logarithms, 3. Complex Number, 4. Theory of Equations, 5. Progression, 6. Binomial Theorem and Mathematical Induction, 7. Matrices and Determinants, 8. Permutations and Combinations, 9. Probability, 10. Functions, 11. Limits, Continuity and Differentiability (LCD), 12. Application of Derivative (AOD), 13. Indefinite Integral, 14. Definite Integral, 15. Area, 16. Differential Equation, 17. Trigonometrical Ratios, Functions and Identities, 18. Trigonometric Equation and Inequation, 19. Inverse Trigonometric Functions, 20. Properties of Triangles, Heights and Distance, 21. Straight Line and Pair of straight Lines, 22. Circle, 23. Parabola, 24. Ellipse and Hyperbola, 25. Vector, 26. 3D Geometry • Mock Tests



Algebra for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121942836

Code: 1006000164

Price: ₹ 450 | Pages: 644

Size: 8.5" X 11" (Paperback)

About the Book

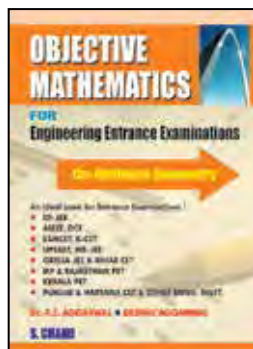
Objective Mathematics for Engineering Entrance Examinations is an endeavour to prepare the students for IIT-JEE and other engineering entrance examinations. It is enriched with problem solving tools and assessment that would serve as a one-stop solution for students. Shortest methods for solving tricky conceptual questions have also been given to simplify learning.

Salient Features

- A complete practice guide
- Plenty of fully solved exercises
- Fully solved tricky problems with shortest method
- Fully solved previous years' questions from IIT- JEE, AMU, PET, UPSEAT to develop familiarity

Contents

1. Sets, 2. Complex Numbers, 3. Sequence and Series, 4. Exponential and Logarithmic Series, 5. Quadratic Equations and Expressions, 6. Mathematical Induction, 7. Permutations and Combinations, 8. Binomial Theorem, 9. Matrices and Determinants, 10. Logarithms, 11. Inequalities, 12. Mathematical Reasoning



Co-Ordinate Geometry for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121938730

Code: 1006000166

Price: ₹ 250 | Pages: 408

Size: 8.5" X 11" (Paperback)

About the Book

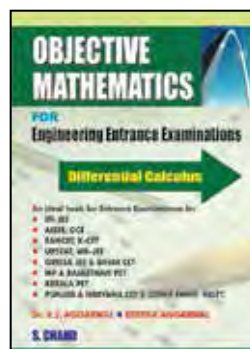
Objective Mathematics for Engineering Entrance Examinations is an endeavour to prepare the students for IIT-JEE and other engineering entrance examinations. It is enriched with problem solving tools and assessment that would serve as a one-stop solution for students. Shortest methods for solving tricky conceptual questions have also been given to simplify learning.

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- Fully solved tricky problems with shortest method
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Contents

1. Cartesian System of Rectangular Co-Ordinates and Straight Lines, 2. Family of Lines, 3. Circle, 4. Parabola, 5. Ellipse, 6. Hyperbola, 7. Miscellaneous Questionnaire



Differential Calculus for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121932066

Code: 1006000163

Price: ₹ 175 | Pages: 472

Book Size: 8.5" X 11" (Paperback)

About the Book

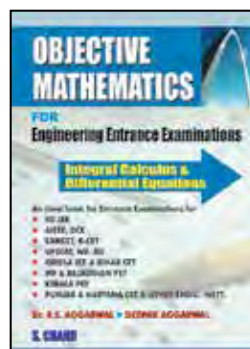
Objective Mathematics for Engineering Entrance Examinations is an endeavour to prepare the students for IIT-JEE and other engineering entrance examinations. It is enriched with problem solving tools and assessment that would serve as a one-stop solution for students. Shortest methods for solving tricky conceptual questions have also been given to simplify learning.

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Contents

1. Functions, 2. Limits, 3. Continuity and Differentiability, 4. Differentiation, 5. Applications of Derivatives, 6. Rolle's and Lagrange's Theorems, 7. Increasing and Decreasing Functions, 8. Maxima and Minima, 9. Tangents and Normals



Integral Calculus & Differential Equations for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121930703

Code: 1006000162

Price: ₹ 175 | Pages: 304

Book Size: 8.5" X 11" (Paperback)

About the Book

Objective Mathematics for Engineering Entrance Examinations is an endeavour to prepare the students for IIT-JEE and other engineering entrance examinations. It is enriched with problem solving tools and assessment that would serve as a one-stop solution for students. Shortest methods for solving tricky conceptual questions have also been given to simplify learning.

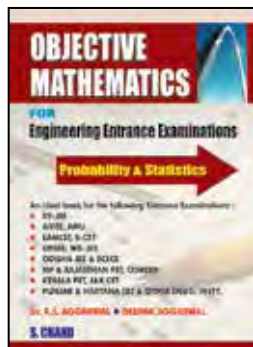
Salient Features

- A complete practice guide
- Plenty of fully solved exercises

- Fully solved tricky problems with shortest method
- Fully solved previous years' questions from IIT- JEE, AMU, PET, UPSEAT to develop familiarity

Contents

1. Indefinite Integral, 2. Definite Integral, 3. Area Under the Curves, 4. Differential Equations • *Answers* • *Solutions*



Probability & Statistics for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121942829

Code: 1006000167

Price: ₹ 120 | Pages: 144

Size: 8.5" X 11" (Paperback)

About the Book

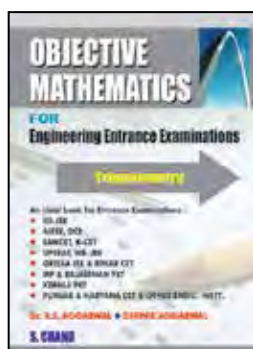
Objective Mathematics for Engineering Entrance Examinations is an endeavour to prepare the students for IIT-JEE and other engineering entrance examinations. It is enriched with problem solving tools and assessment that would serve as a one-stop solution for students. Shortest methods for solving tricky conceptual questions have also been given to simplify learning.

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- A complete practice guide
- Plenty of fully solved exercises
- Fully solved tricky problems with shortest method
- Fully solved previous years' questions from IIT- JEE, AMU, PET, UPSEAT to develop familiarity

Contents

1. Probability, 2. Statistics



Trigonometry for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121933544

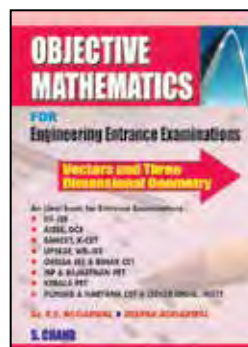
Code: 1006000165

Price: ₹ 150 | Pages: 296

Book Size: 8.5" X 11" (Paperback)

Contents

1. Trigonometric Functions, 2. Trigonometric Equations, 3. Solution of Triangles, 4. Circumcircles, Incircles and Excircles, 5. Inverse Trigonometric Functions, 6. Heights and Distances



Vectors and Three Dimensional Geometry for Engineering Entrance Examinations

Dr. R S Aggarwal &
Deepak Aggarwal

ISBN: 9788121940047

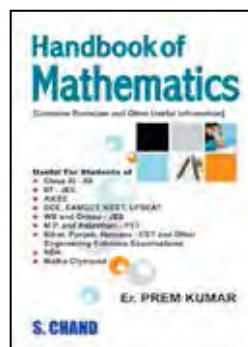
Code: 1006000168

Price: ₹ 295 | Pages: 456

Size: 8.5" X 11" (Paperback)

Contents

1. Vectors, 2. Straight Lines in Space, 3. The Plane, 4. Sphere, 5. Miscellaneous Exercise (For Unit II), 6. Composition and Resolution of Forces Acting at a Point, 7. Equilibrium of Three Concurrent Forces, 8. Parallel Forces, 9. Moments and Couples, 10. Friction, 11. Centre of Gravity, 12. Motion in Straight Line with Constant Acceleration, 13. Motion Under Gravity, 14. Resultant of Two Velocities, 15. Relative Velocity, 16. Projectiles



Handbook of Mathematics

**Multicolour
Edition**

Prem Kumar

ISBN: 9788121938556

Code: 1014000631

Price: ₹ 215 | Pages: 256

Size: 5.5" X 8.5" (Paperback)

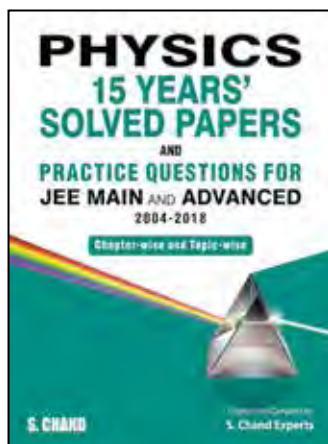
About the Book

This book contains essential formulae and concepts chapterwise in simple language.

Contents

For Class - XI: 1. Sets, 2. Relations and Functions, 3. Trigonometric Functions, 4. Principle of Mathematical Induction, 5. Complex Numbers and Quadratic Equations, 6. Linear Inequalities, 7. Permutations and Combinations, 8. Binomial Theorem, 9. Sequences and Series, 10. Straight Lines, 11. Conic Sections, 12. Introduction to Three Dimensional Geometry, 13. Limits and Derivatives, 14. Mathematical Reasoning, 15. Statistics, 16. Probability, **For Class - XII:** 1. Relations and Functions, 2. Inverse Trigonometric Functions, 3. Matrices, 4. Determinants, 5. Continuity and Differentiability, 6. Application of Derivatives, 7. Integrals, 8. Application of Integrals, 9. Differential Equations, 10. Vector Algebra, 11. Three Dimensional Geometry, 12. Linear Programming, 13. Probability

• *Logarithms and their Applications*



Physics

15 Years' Solved Papers & Practice Questions for JEE Main and Advanced

S. Chand Experts

About the Book

This book consists of last 15 years' JEE Main and Advanced solved papers of Physics. Each question is followed by a detailed solution with diagrams and comprehensive reasoning for full conceptual clarity, as per the latest pattern and syllabus.

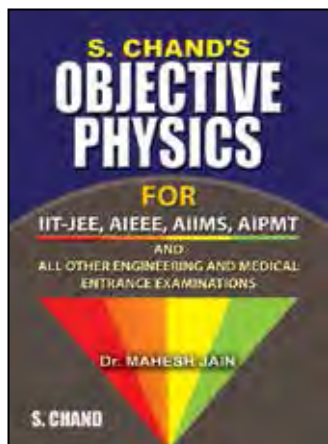
Key Features

- Chapter-wise & Topic-wise Questions with Answers/Solutions
- Full length Mock Tests
- Practice Questions

ISBN: 9789352835126 | Code: 9789352835126 | Price: ₹ 495 | Pages: 696 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Units and Measurements, 2. Kinematics, 3. Laws of Motion, 4. Work, Energy and Power, 5. System of Particles and Rotational Motion, 6. Gravitation, 7. Mechanical Properties of Solids, 8. Mechanical Properties of Fluids, 9. Oscillations, 10. Waves, 11. Heat and Thermodynamics, 12. Electrostatics, 13. Current Electricity, 14. Magnetism, 15. Electromagnetic Induction and AC, 16. Electromagnetic Waves, 17. Ray Optics, 18. Wave Optics, 19. Dual Nature of Radiation and Matter, 20. Atoms and Nuclei, 21. Semiconductors & Logic Gates, 22. Communication Systems • Mock Tests



S. Chand's Objective Physics for IIT-JEE, AIEEE, AIIMS, AIPMT

Dr. Mahesh Jain

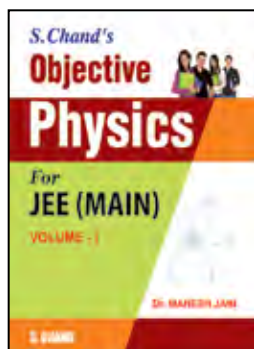
About the Book

This book is written for the students preparing for the Medical and Engineering Entrance Examinations of all Indian Universities and Institutes. It is also useful for Civil Services (Prelim), J.R.F., other Examinations.

ISBN: 9788121915304 | Code: 1006A00083 | Price: ₹ 945 | Pages: 1,752 | Size: 8.25" X 10.5" (Paperback)

Contents

Unit-1: 1. Measurement: Units, Dimensions and Errors, 2. Scalars and Vectors • *Brainteasers-I*, **Unit-2:** 3. Motion in a Straight Line, 4. Motion in a Plane I: Projectile Motion, 5. Forces and Newton's Laws of Motion, 6. Work, Energy and Power, 7. Conservation of Momentum Centre of Mass. Collisions, 8. Motion in a Plane II: Circular Motion, 9. Rotational Motion, 10 Gravitation, 11. Simple Harmonic Motion • *Brainteasers-II*, **Unit-3:** 12. Elasticity, 13. Fluid Statics, 14. Flow of Ideal Fluids, 15. Viscosity, 16. Surface • *Brainteasers-III*, **Unit-4:** 17. Thermal Expansion. Gas Laws and Kinetic Theory of Gases. Thermometry, 18. Heat, Work and The Laws of Thermodynamics, 19. Modes of Heat Transfer, • *Brainteasers-IV*, **Unit-5:** 20. Waves, 21. Superposition of Waves. Acoustics of Buildings • *Brainteasers-V*, **Unit-6:** 22. Ray Optics and Optical Instruments, 23. Wave Optics. Photometry • *Brainteasers-VI*, **Unit-7:** 24. Electrostatics, 25. Current Electricity, 26. Thermal and Chemical Effects of Current. Thermoelectricity • *Brainteasers-VII*, **Unit-8:** 27. Moving Charges and Magnetic Field, 28. Magnetic Dipole and Magnetism, 29. Electromagnetic Induction & Electromagnetic Waves, 30. Alternating Current Circuits • *Brainteasers-VIII*, **Unit-9:** 31. Atomic and Quantum Physics, 32. Nuclear Physics, 33. Solids and Electronic Devices • *Brainteasers-IX* • *Self – Assessment Tests (Set-I & II)* • *Entrance Test Questions*



S. Chand's Objective Physics for JEE (Main) Volume - I

Dr. Mahesh Jain

ISBN: 9789383746941

Code: 1006A00212

Price: ₹ 600 | Pages: 672

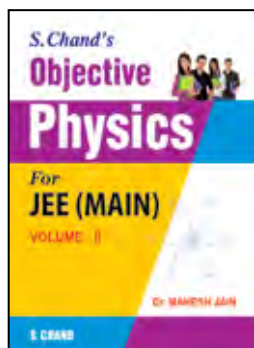
Size: 8.5" X 11" (Paperback)

About the Book

It is a thoroughly revised and transformed version of the earlier book. It is written specially for the newly started Joint Entrance Examination (Main), which is to be taken for admission to most of the engineering colleges and institutes in India (NITs, IITs, other centrally funded Technical Institutes and Institutes funded by many state governments). It also serves as eligibility test for JEE (Advanced), which is exclusively for admission to IITs. The book will also be equally useful for those colleges and institutes which conduct their own entrance tests because the courses and patterns are almost the same.

Contents

• *Syllabus for JEE (Main)* • *To The Students* • *Useful Mathematical Formulae* • *Some Important Physical Constants*, 1. Measurement: Units, Dimensions and Errors, 2. Scalars and Vectors, 3. Motion in a Straight Line, 4. Motion in a Plane-I: Projectile Motion, 5. Forces and Newton's Laws of Motion, 6. Motion in a Plane-II: Circular Motion, 5. Work, Energy and Power, 8. Conservation of Momentum Centre of Mass Collisions, 9. Rotational Motion, 10. Gravitation, 11. Simple Harmonic Motion, 12. Elasticity, 13. Fluid Statics, 14. Flow of Ideal Fluids, 15. Viscosity, 16. Surface Tension, 17. Thermal Expansion Gas Laws and Kinetic Theory of Gases Thermometry, 18. Heat, Work and Laws of Thermodynamics, 19. Modes of Heat Transfer, 20. Waves, 21. Superposition of Waves



S. Chand's Objective Physics for JEE (Main) Volume - II

Dr. Mahesh Jain

ISBN: 9789383746958

Code: 1006A00213

Price: ₹ 550 | Pages: 632

Size: 8.5" X 11" (Paperback)

About the Book

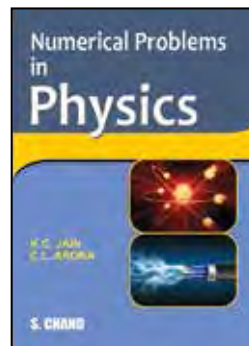
It is a thoroughly revised and transformed version of the earlier book. It is written specially for the newly started Joint Entrance Examination (Main), which is to be taken for admission to most of the engineering colleges and institutes in India (NITs, IITs, other centrally funded Technical Institutes and Institutes funded by many state governments). It also serves as eligibility test for JEE (Advanced), which is exclusively for admission to IITs. The book will also be equally useful for those colleges and institutes which conduct their own entrance tests because the courses and patterns are almost the same.

Contents

22. Electrostatics, 23. Current Electricity, 24. Electrical Energy and Power Heating Effect of Current, 25. Moving Charges and Magnetic Field, 26. Magnetic Dipole and Magnetism, 27. Electromagnetic Induction and Electromagnetic Waves, 28. Alternating Current

Circuits, 29. Ray Optics, 30. Wave Optics, 31. Dual Nature of Matter and Radiation Atomic Physics, 32. Nuclear Physics, 33. Electronic Devices, 34. Communication Systems • *Model Test Papers* • *Solved Paper-JEE (Main)*

Maresh Jain is Former Associate Professor, Department of Physics, Hindu College, University of Delhi.



Numerical Problems in Physics 20e

K C Jain & C L Arora

ISBN: 9788121908702

Code: 1016A00025

Price: ₹ 425 | Pages: 512

Size: 6.75" X 9.5" (Paperback)

About the Book

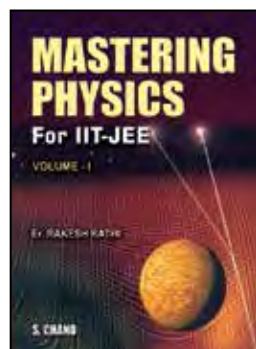
The Numerical Problems in Physics deals with everyday applications of the various laws and formulae. A systematic study of these problems makes a student familiar with the fundamental principles and helps the student in having a clear concept of the subject. This book caters to students of different board and universities and for students appearing in competitive examination. A large number of solved examples of different types selected from the latest question papers have been added.

Contents

Part-I: Mechanics: 1. Units and Dimensions, 2. Mathematical Tools, 3. Kinematics of a Particle, 4. Vector Multiplication and Composition, 5. Dynamics of a Particle, 6. Circular Motion, 7. Rotational Dynamics, 8. Gravitation and Projectile Motion, 9. Satellites and Escape Velocity, 10. Work, Power, Energy and Friction, 11. Elasticity, 12. Surface Tension, 13. Viscosity and Hydrodynamics, **Part-II: Thermal Properties:** 14. Thermal Expansion, 15. Calorimetry, 16. Kinetic Theory of Gases, 17. Heat, Work and Thermal Conductivity, 18. Laws of Thermodynamics and Radiation, **Part-III: Waves and Oscillations:** 19. Oscillations, 20. Propagation of Sound, 21. Beats and Musical Sound, 22. Transverse Vibrations of Strings, 23. Echo, Organ Pipes and Resonance Tube, 24. Doppler Effect, **Part-IV: Optics:** 25. Reflection at Curved Surfaces, 26. Refraction, 27. Refraction Through Spherical Surface and Lenses, 28. Dispersion, 29. Optical Instruments, 30. Velocity of Light and Photometry, 31. Interference, Diffraction and Polarisation, **Part-V: Electrostatics:** 32. Electric Intensity and Potential, 33. Electrostatic Field around Conductor and Capacitance, **Part-VI: Electric Current:** 34. Current, Resistance and Thermo-Electricity, 35. Applications of Ohm's Law, 36. Kirchhoff's Laws, 37. Electrical Measurements, 38. Thermal Effects, 39. Chemical Effects, 40. Magnetic Effects and Magnetism, 41. Electromagnetic Induction, 42. Alternating Current, **Part-VII: Physics of the Atom:** 43. Motion of Charged Particles in Electric and Magnetic Fields, 44. Bohr Model and X-rays, 45. Wave Nature of Matter and Photo-Electricity, 46. Theory of Relativity, 47. Radio-Activity and Nuclear Reactions, 48. Electronic Devices, 49. Structure of Solids, 50. Universe, 51. Logic Gates, 52. Principles of Communication • *Logarithms, Anti Logs and Trigonometric Tables*

K C Jain, M.Sc., B.Sc. (Hons.), is former Head of Physics Department in DAV College, Jalandhar City.

C L Arora is former Principal of DAV College, Jalandhar City and Dean at G.N.D.U., Amritsar.



Mastering Physics for IIT-JEE Volume - I

Er. Rakesh Rath

ISBN: 9788121934695

Code: 1006000174

Price: ₹ 550 | Pages: 832

Size: 8.5" X 11" (Paperback)

About the Book

Mastering of Physics Volume I, judiciously combines theory and practice with the right emphasis on solved examples and exercises enabling the students to understand the concepts better. The rich pedagogy and systematic approach enhances the student's learning experience. The book aims to provide focused exposure and practice of the different question types asked in the IIT-JEE and other engineering entrance examinations. All questions are followed by answers and detailed explanations.

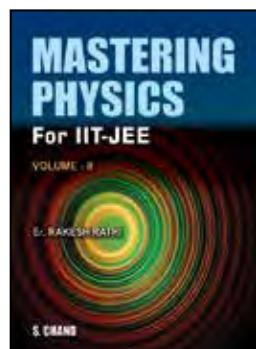
Salient Features

- An Questions arranged topic-wise in an easy-to-understand manner.
- Completely solved examples along with practice questions.
- Additional solved examples given at the end of each chapter.
- Rapid revision and Master Tips given to simplify the learning.
- Previous year question papers included.
- More than 3500 questions and 1000 solved examples are given.

Contents

1. Units and Dimensions, 2. Mathematical Tools, 3. Linear Kinematics-I: Rectilinear Motion (Motion in One Dimension), 4. Linear Kinematics-II: Projectile Motion, 5. Linear Kinematics-III: Relative Velocity, 6. Newton's Laws of Motion and Friction, 7. Circular Motion, 8. Work, Power and Energy, 9. Centre of Mass, Momentum and Collision, 10. Rotational Dynamics, 11. Gravitation, 12. Simple Harmonic Motion, 13. Properties of Matter, 14. Fluid Mechanics, 15. Calorimetry and Thermal Expansion, 16. Kinetic Theory of Gases and Thermodynamics, 17. Heat Transfer, 18. Waves in a String, 19. Sound Waves • *Index*

Rakesh Rath is a master trainer in Physics with more than 14 years of experience in teaching and training in Kota.



Mastering Physics for IIT-JEE Volume - II

Dr. Rakesh Rath

ISBN: 9788121940771

Code: 1006000185

Price: ₹ 550 | Pages: 632

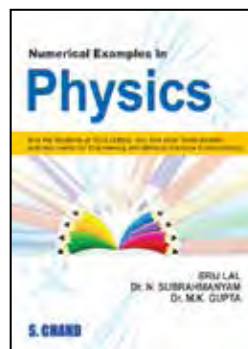
Size: 8.5" X 11" (Paperback)

Contents

1. Electrostatics, 2. Current Electricity, 3. Capacitance, 4. Geometrical Optics, 5. Wave Optics, 6. Magnetic Field & Magnetic Field due to a Current, 7. Electromagnetic Induction, 8. Alternating Current, 9. Modern Physics • *Appendix-A: Constants and*

Conversion Factors, Appendix-B: Values of Trigonometric Functions for Common Angles, Appendix-C: Basic Equations • Index

Rakesh Rath is a master trainer in Physics with more than 14 years of experience in teaching and training in Kota.



Numerical Examples in Physics

Brij Lal,

Dr. N Subrahmanyam &

Dr. M K Gupta

ISBN: 9788121912570

Code: 1016A00142

Price: ₹ 195 | Pages: 560

Size: 6.75" X 9.5" (Paperback)

About the Book

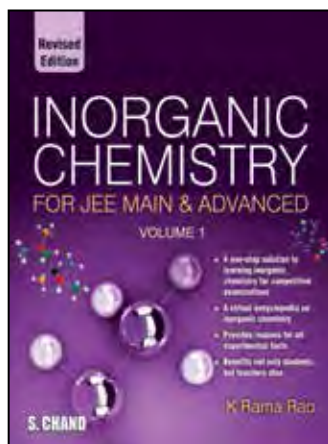
This book is one of the most popular Numerical Physics book among the Competitive aspirants of Engineering and Medical Entrance Examinations.

Salient Features

- Subject material including important formulae is given in the start of each chapter.
- Carefully selected solved examples consist of solutions step by step.
- Solved examples are arranged topic-wise.
- Unsolved problems are given at the end of each chapter for practice.

Contents

1. Basic Mathematical Tools, 2. Physical World and Measurement, 3. Motion in One Dimension, 4. Vectors, 5. Motion in two and three Dimension (Projectile Motion, Circular Motion), 6. Laws of Motion and Friction, 7. Work/ Power and Energy, 8. Rotational Motion, 9. Gravitation, 10. Properties of Solids, 11. Mechanics of Liquid, 12. Thermal Properties of Matter, 13. Thermodynamics and Kinetic Theory of Gases, 14. Oscillations, 15. Wave Motion



Inorganic Chemistry for JEE Main & Advanced Volume 1

(Revised Edition)

K Rama Rao

About the Book

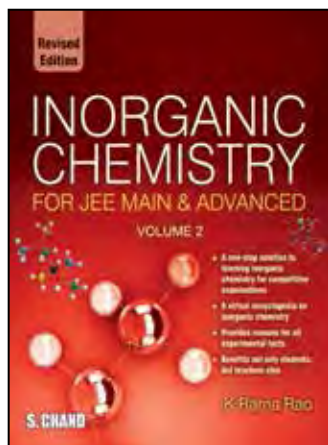
Inorganic Chemistry for JEE Main and Advanced Volume 1 is a comprehensive book providing an inclusive coverage of the subject as per the guidelines of the JEE Main and Advanced.

The book offers a quick revision of concepts and ample number of questions, thus facilitating conceptual understanding and an exhaustive practice to solve problems.

Salient Features

- Exhaustive text that does not leave out any explanation
- Promotes conceptual understanding rather than rote learning
- Provides quick revision of concepts
- Offers enough practice to solve problems, providing answers and hints
- Solved question papers

ISBN: 9789352830169 | Code: 10HE000049 | Price: ₹ 375 | Pages: 492 | Size: 8.25" X 10.5" (Paperback)



Inorganic Chemistry for JEE Main & Advanced Volume 2

(Revised Edition)

K Rama Rao

About the Book

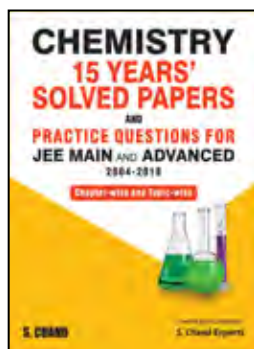
Inorganic Chemistry for JEE Main and Advanced Volume 2 is a comprehensive book providing an inclusive coverage of the subject as per the guidelines of the JEE Main and Advanced.

The book offers a quick revision of concepts and ample number of questions, thus facilitating conceptual understanding and an exhaustive practice to solve problems.

Key Features

- Exhaustive text that does not leave out any explanation
- Promotes conceptual understanding rather than rote learning
- Provides quick revision of concepts
- Offers enough practice to solve problems, providing answers and hints
- Solved question papers

ISBN: 9789352830176 | Code: 10HE000050 | Price: ₹ 375 | Pages: 504 | Size: 8.25" X 10.5" (Paperback)



Chemistry 15 Years' Solved Papers & Practice Questions for JEE Main and Advanced

S. Chand Experts

ISBN: 9789352835133

Code: 9789352835133

Price: ₹ 425 | Pages: 544

Size: 8.25" X 10.5" (Paperback)

About the Book

Since the advent of the IIT entrance examination in 1960, its pattern has undergone drastic changes, the most considerable being the segregation of the exam into 'screening' and the 'main examination', in 2000-05; introduction of joint entrance examination (objective type) in 2006; followed by the initiation of the JEE Main and Advanced examinations in 2013.

Our experts have created Chemistry: 15 Years Solved Papers for JEE Main and Advanced keeping in mind a distinct pattern emerging 2000 onwards and have covered all previous years' questions from 2004. We have chosen solved questions from the year 2004 in order to apprise students of at least two years' of 'subjective type' (numerical value) questions asked in the IIT entrance exam.

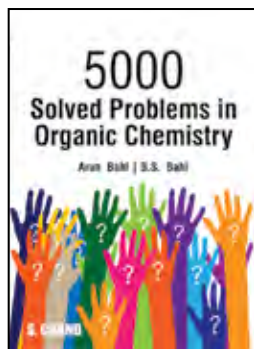
The book has chapter-wise and topic-wise segregation of questions for concept building and enhancing problem-solving skills.

Salient Features

- Based on the revised JEE Main and Advanced pattern
- Brief theory to explain the key concepts
- Chapter-wise and topic-wise previous years' questions with detailed solutions
- Abundant practice questions based on the latest JEE Main and Advanced pattern

Contents

1. Some Basic Concepts of Chemistry, 2. Atomic Structure, 3. Classification of Elements and Periodicity, 4. Chemical Bonding, 5. States of Matter, 6. Chemical and Ionic Equilibrium, 7. Thermodynamics and Thermochemistry, 8. Solid State, 9. Solution and Colligative Properties, 10. Chemical Kinetics, 11. Nuclear Chemistry, 12. Surface Chemistry, 13. s-Block Elements, 14. p-Block Elements, 15. d- and f-Block Elements, 16. Coordination Chemistry, 17. Extraction of Metals, 18. Qualitative Analysis, 19. Organic Chemistry Basics, 20. Hydrocarbons, 21. Alkyl Halides, 22. Alcohols and Ethers, 23. Aldehydes and Ketones, 24. Carboxylic Acids and Their Derivatives, 25. Aliphatic and Aromatic Compounds Containing Nitrogen, 26. Aromatic Aldehydes, Ketones and Acids, 27. Biomolecules and Chemistry in Everyday Life, 28. Electrochemistry



5000 Solved Problems in Organic Chemistry

Arun Bahl & B S Bahl

2 Colour
Edition

ISBN: 9789384319083

Code: 1004000353

Price: ₹ 850 | Pages: 1,048

Size: 6.75" X 9.5" (Paperback)

About the Book

This book is written for B.Sc. students. This new book offers:

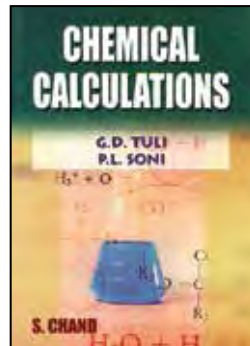
- Fully solved problems for every topic
- Best selection of university examination questions
- Clear, concise and step-by-step answers to difficult problems
- Expert tips for mastering organic chemistry
- All you need to know to get better grades

Contents

1. Structure of Organic Molecules, 2. Principles of Reactions, 3. Isomerism, 4. Alkanes, 5. Petroleum and Alternate Fuels, 6. Alkanes, 7. Dienes, 8. Alkynes, 9. Cycloalkanes, 10. Alkyl Halides, 11. Grignard Reagents and Lithium Reagents, 12. Alcohols, 13. Polyhydric Alcohols, 14. Ethers and Epoxides, 15. Thiols and Thioethers, 16. Aldehydes and Ketones, 17. Carboxylic Acids, 18. Dicarboxylic Acids, 19. Substituted Acids, 20. Carboxylic Acid Derivatives, 21. Urea and Related Compounds, 22. Fats, Oils and Lipids, 23. Amines, 24. Cyanides, Nitroalkanes and Diazomethane, 25. Acetoacetic Ester and Molonic Ester, 26. Aromatic Compounds, 27. Benzene and Aromaticity, 28. Directive Effect of Substituents, 29. Alkylbenzenes, 30. Aryl Halides, 31. Aromatic Sulfonic Acids, 32. Aromatic Nitro Compounds, 33. Aromatic Amines, 34. Diazonium Salts, 35. Phenols, 36. Aromatic Aldehydes and Ketones, 37. Aromatic Carboxylic Acids, 38. Naphthalene, 39. Anthracene and Phenanthrene, 40. Heterocyclic Compounds, 41. Carbohydrates, 42. Amino Acids, Peptides and Proteins, 43. Alkaloids, 44. Terpenes, 45. Dyes and Indicators, 46. Polymers, 47. Analysis of Organic Compounds, 48. Numerical Problems in Organic Chemistry
• Appendix-1: Symbols Used in Organic Chemistry • Appendix-2: Organic Reagents
• Appendix-3: Synthesis of Functional Groups • Appendix-4: Important Definitions • Index

Arun Bahl, formerly Professor of Chemistry, Panjab University, Chandigarh.

B S Bahl, formerly Principal & Head of the Department, Chemistry, DAV College, Jalandhar.



Chemical Calculations 18e

G D Tuli & P L Soni

ISBN: 9788121908214

Code: 1004000018

Price: ₹ 175 | Pages: 304

Size: 4.75" X 6.5" (Paperback)

About the Book

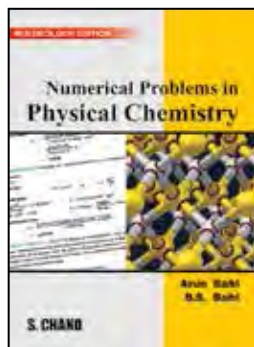
This book is meant for the requirement of Chemistry students of Higher Secondary, pre-medical and pre-engineering examinations. The aim is to provide well selected set of numerical examples and exercise in order to enable the student to understand the fundamental laws of Chemistry and to carry out various laboratory calculations like conversion of gaseous volumes, volumetric and gravimetric calculations etc.

Contents

Part-I: Inorganic & Physical: 1. The Gas Laws, 2. Gaseous Diffusion, 3. Laws of Chemical Combination, 4. Percentage Composition, 5. Empirical and Molecular Formulae, 6. Molecular Weights, 7. Equivalent Weights, 8. Atomic Weights, 9. Mole Concept, 10. Dilute Solutions – Raoult's Law: Osmotic Pressure, 11. Problems based on Equations, 12. Eudiometry, 13. Volumetric Calculations, 14. Chemical Equilibrium – Kinetics, 15. Atomic Structure: Chemical Bonding, Oxidation Numbers and Nuclear Structure, 16. Density: Solubility and Electrochemistry, **Part-II: Organic:** 1. Estimation of Elements, 2. Determination, 3. Miscellaneous Question • Appendix-I: Atomic Weights • Appendix-II: Useful Memoranda • Appendix-III: Aqueous Tensions

G D Tuil is Ex-Principal of Shyam Lal College, Delhi University, Delhi.

P L Soni is former head of the department of Chemistry, Hans Raj College, Delhi University, Delhi.



Numerical Problems in Physical Chemistry

Arun Bahl & B S Bahl



ISBN: 9788121930840

Code: 1004000312

Price: ₹ 265 | Pages: 400

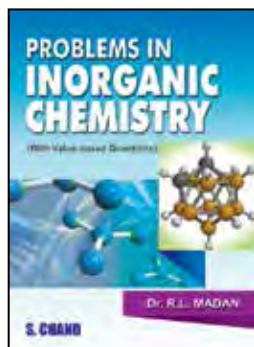
Size: 6.75" X 9.5" (Paperback)

About the Book

The Numerical Problems in Physical Chemistry is easy-to-use program that really prepares you for the Engineering College Entrance Exams. This book will be useful to those students who have difficulty analyzing numerical problems and find logical solutions who have trouble with interpretation. It will also be useful to students who want additional problems and explanations in order to get a better understanding of concepts.

Contents

1. Structure of Atom-Classical Mechanics, 2. Structure of Atom-Wave Mechanical Approach, 3. Isotopes, Isobars and Isotones, 4. Nuclear Chemistry, 5. Chemical Bonding-Lewis Theory, 6. Chemical Bonding-Orbital Concept, 7. First Law of Thermodynamics, 8. Thermochemistry, 9. Second Law of Thermodynamics, 10. Gaseous State, 11. Liquid State, 12. Solid State, 13. Physical Properties and Chemical Constitution, 14. Solutions, 15. Theory of Dilute Solutions, 16. Osmosis and Osmotic Pressure, 17. Chemical Equilibrium, 18. Distribution Law, 19. Phase Rule, 20. Chemical Kinetics, 21. Catalysis, 22. Colloids, 23. Adsorption, 24. Electrolysis and Electrical Conductance, 25. Theory of electrolytic Dissociation, 26. Ionic Equilibria-Solubility Product, 27. Acids and Bases, 28. Salt Hydrolysis, 29. Electromotive Force, 30. Photochemistry • *Appendix: SI Units* • *Index*



Problems in Inorganic Chemistry

Dr. R L Madan

ISBN: 9788121942898

Code: 1004000343

Price: ₹ 265 | Pages: 384

Size: 6.75" X 9.5" (Paperback)

About the Book

The book, Problems in Inorganic Chemistry is a complete offering for aspirants of medical and engineering entrance examinations. This book provides comprehensive study material based on CBSE, ISC and State Board syllabi of classes XI and XII for aspirants.

Salient Features

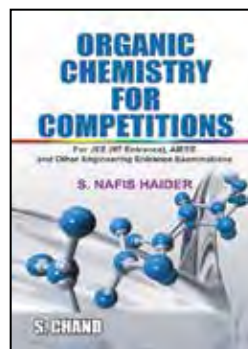
- Questions arranged topic-wise in an easy-to-understand manner.
- Key points are given at the beginning of each chapter to understand the problem discussed.

- A separate chapter is devoted to nomenclature of coordination compounds.
- Value-based questions separately for Class XI and XII are given.

Contents

1. Classification of Elements and Periodicity in Properties, 2. Chemical Bonding and Molecular Structure, 3. Redox Reactions, 4. Hydrogen, 5. The s-Block Elements, 6. The p-Block Elements (Groups 13 and 14), 7. General Principles and Processes of Isolation of Elements, 8. The p-Block Elements (Groups 15 to 18), 9. The d-and f-Block Elements, 10. Nomenclature of Coordination Compounds, 11. Coordination Compounds, 12. Terms and Processes in Inorganic Chemistry • *Appendix-I: Value-Based Questions*

R L Madan, Formerly Head of Department- Chemistry, Government Postgraduate College, Faridabad and Principal, Government College, Panchkula.



Organic Chemistry for Competitions

S Nafis Haider

ISBN: 9788121940993

Code: 1004000330

Price: ₹ 150 | Pages: 280

Size: 5.5" X 8.5" (Paperback)

About the Book

This book Organic Chemistry for Competitions is a complete offering for aspirants of IIT-JEE, AIEEE and other engineering entrance examinations. The book includes detailed examples to understand the reaction mechanism in a easy way, resonance, Acid-Base concepts, Electronic effects, Steric effects and shows how acidity and basicity are altered by these effects.

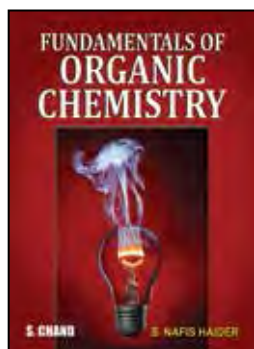
Salient Features

- The theory has been covered in brief, clear points which are easy to understand and assimilate.
- Solved and unsolved previous years' questions from IIT- JEE, AIEEE to develop familiarity.
- Two sets of hundred specimen questions as Screening Test I & II are given at the end of book which are very useful for entrance examination.
- Questions compiled from examinations of 1978 onwards.

Contents

I. Basic Concept of Electron Displacement: 1. Inductive Effect, 2. Steric Hindrance Effect, 3. Reactivity of Alkyl Halides, 4. Dienes, 5. Mesomeric Effect, 6. Electromeric Effect, 7. Hyperconjugation, **II. Reaction Mechanism:** 8. Organic Reagents, 9. Fission of Bonds, 10. Free Radicals, 11. Carbanions, 12. Carbonium Ion, 13. Rearrangement and Reaction of Carbonium Ion, 14. Electrophilic Addition Reactions, 15. Nucleophilic Addition Reactions, 16. Nucleophilic Substitution Reaction, 17. Elimination Reactions, 18. Electrophilic Substitution Reactions, 19. Hydrogen Bonding, 20. Resonance, 21. Tautomerism, 22. Bond Length, 23. Bond Energy, 24. Polar & Non Polar Bonds, 25. Dipole Moment, **III. Expected Problems:** 26. Kharasch Effect or Peroxide Effect, 27. Screening Test-I, 28. Screening Test-II, 29. JEE (IIT), AIEEE, Papers

S Nafis Haider holds Master Degree in Science, Chemistry, having over all 35 years of teaching experience in college of senior secondary and degree level in chemistry. Thirty years teaching experience in various entrance competitive examination like Medical, IIT/JEE/AIEEE and others medical and engineering college entrance test.



Fundamentals of Organic Chemistry

S Nafis Haider

ISBN: 9788121907675

Code: 1004B00010

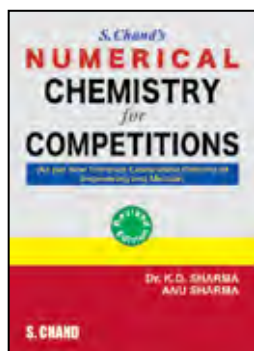
Price: ₹ 425 | Pages: 680

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Formulae of Compounds, 3. Nomenclature, 4. Isomerism, 5. Composition of Organic Compounds, 6. Purification of Organic Compounds, 7. Structure and Shape of Organic Molecules, 8. Different Types of Reaction, 9. Reaction Mechanism, 10. Hydrocarbons, 11. Petroleum, 12. Halogen Derivatives, 13. Aliphatic Alcohols, 14. Ethers, 15. Aldehydes and Ketones, 16. Aliphatic Carboxylic Acids, 17. Derivatives of Aliphatic Carboxylic Acids, 18. Amines, 19. Environmental Chemistry, 20. Biomolecules, 21. Chemistry in Daily Life, 22. Aromatic Compounds, 23. Orientation, 24. Important Conversions, 25. Important What Happens When, 26. Important Synthesis, 27. Important Notes, 28. Empirical and Molecular Formulae, 29. Important Tests, 30. Organic Problems (Rules of Conversions) • Examination: Questions and Answers

S Nafis Haider holds Master Degree in Science, Chemistry, having over all 35 years of teaching experience in college of senior secondary and degree level in chemistry. Thirty years teaching experience in various entrance competitive examination like Medical, IIT/JEE/AIEEE and others medical and engineering college entrance test.



S. Chand's Numerical Chemistry for Competitions

Dr. K D Sharma & Anu Sharma

ISBN: 9788121930598

Code: 1004A00310

Price: ₹ 520 | Pages: 1,008

Size: 8.25" X 10.5" (Paperback)

About the Book

An ideal book for the students preparing for various Engineering & Medical Entrance Examinations. This book includes all types of problems related to the topics along with their simple solution. Each topic has been explained in a lucid way for every level of students. Proper hints have been given wherever necessary to solve unsolved problems.

Contents

1. Measurements-Units, 2. Significant Figures, 3. Equivalent Weight, 4. Atomic Weight, 5. Density and Vapour Density, 6. Molecular Weight, 7. Laws of Chemical Combination, 8. Gaseous State States of Matter, 9. The Mole Concept, 10. The Solid State, 11. Eudiometry-Gas Analysis, 12. Structure of Atom, 13. Periodic Properties and Chemical Bonding, 14. Stoichiometry-Limiting Reactants, 15. Thermodynamics- Thermochemistry, 16. Oxidation and Reduction, 17. Solution-Concentration, 18. Solution-Colligative Properties, 19. Electrochemistry, 20. Chemical Kinetics, 21. Nuclear Chemistry, 22. Volumetric

Analysis, 23. Physical and Chemical Equilibrium, 24. Ionic Equilibrium, 25. Estimation of Elements in Organic Compounds, 26. Empirical and Molecular Formulae, 27. Structure and Reaction based Problems, 28. Water and Hydrogen Peroxide, 29. Polymers, Coordination Compounds and Surface Chemistry, 30. Distribution Law



Organic Reactions, Conversions, Mechanisms and Problems

Dr. R L Madan

ISBN: 9788121920384

Code: 1004D00252

Price: ₹ 299 | Pages: 392

Size: 6.75" X 9.5" (Paperback)

About the Book

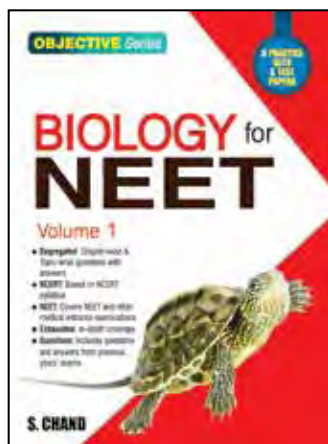
This book Organic Reactions, Conversions, Mechanisms and Problems is designed for the students of Classes XI and XII of CBSE, ISC and State Board Examinations. Besides, it would also be useful to those who are preparing for medical and engineering entrance examinations.

Salient Features

- Plenty of fully solved examples.
- Questions arranged topic-wise in an easy-to-understand manner.
- A separate chapter is devoted to nomenclature of organic compounds.
- The theory has been covered in brief, clear points which are easy to understand and assimilate.

Contents

1. IUPAC Nomenclature of Organic Compounds, 2. Problems Based on Isomerism and Physical Properties, 3. Organic Name Reactions, 4. Distinguishing between Pairs of Compounds, 5. Organic Conversions (Aliphatic and Aromatic), 6. Identification of Compounds / Reagents, 7. What happens when?, 8. Mechanisms of Reactions, 9. Problems Based on Organic Reactions, 10. Conceptual (Reasoning) Questions • Appendices: 1. Summary of Some Important Name Reactions, 2. Flow Charts of Organic Reactions, 3. Important Reagents in Organic Chemistry, 4. Some Synthetic Routes



Biology for NEET Volume 1 (Objective Series)

About the Book

Biology for NEET comprises a comprehensive set of question and answers based on current trends in the NEET. Strictly following the NCERT course/chapter structure, the book aims at preparing the students for competing in the medical entrance examinations in a better way. For convenience and to plan for the examinations effectively, questions have been arranged both chapter-wise and topic-wise, and explanation have been provided for answers. Further, to assess the students' level of preparation, Advanced Level Questions (ALQs) and Assertion-Reason Questions have been provided in each chapter. Also, the book has numerous previous years' questions to brush-up their knowledge.

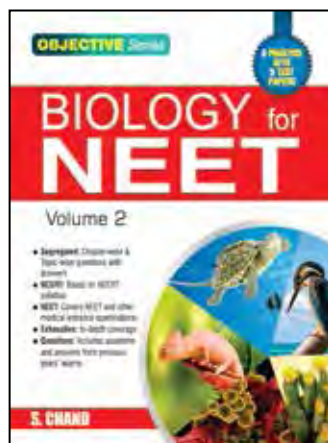
Key Features

- Based on the latest pattern of the examinations.
- Questions arranged chapter-wise and topic-wise in an easy-to-understand manner.
- Advanced Level Questions (ALQs) and Assertion-Reason Questions have been provided in each chapter.
- Sufficient practice sets and test papers.
- Previous years' question papers included.

ISBN: 9789352833788 | Code: 9789352833788 | Price: ₹ 395 | Pages: 480 | Size: 8.25" X 10.5" (Paperback)

Contents

Unit-1: Diversity in the Living World: 1. The Living World, 2. Biological Classification, 3. Plant Kingdom, 4. Animal Kingdom, **Unit-2: Structural Organisation in Plants and Animals:** 5. Morphology of Flowering Plant, 6. Anatomy of Flowering Plant, 7. Structural Organisation in Animals, **Unit-3: Cell: Structure and Functions:** 8. Cell: The Unit of Life, 9. Biomolecules, 10. Cell Cycle and Cell Division, **Unit-4: Plant Physiology:** 11. Transport in Plants, 12. Mineral Nutrition, 13. Photosynthesis, 14. Respiration in Plants, 15. Plant Growth and Development, **Unit-5: Human Physiology:** 16. Digestion and Absorption, 17. Breathing and Exchange of Gases, 18. Body Fluids and their Circulation, 19. Excretory Products and Their Elimination, 20. Locomotion and Movement, 21. Neural Control and Coordination, 22. Chemical Coordination and Integration • *Practice Sets: 1 to 5* • *Test Papers: 1 to 5*



Biology for NEET Volume 2 (Objective Series)

About the Book

Biology for NEET comprises a comprehensive set of question and answers based on current trends in the NEET. Strictly following the NCERT course/chapter structure, the book aims at preparing the students for competing in the medical entrance examinations in a better way. For convenience and to plan for the examinations effectively, questions have been arranged both chapter-wise and topic-wise, and explanation have been provided for answers. Further, to assess the students' level of preparation, Advanced Level Questions (ALQs) and Assertion-Reason Questions have been provided in each chapter. Also, the book has numerous previous years' questions to brush-up their knowledge.

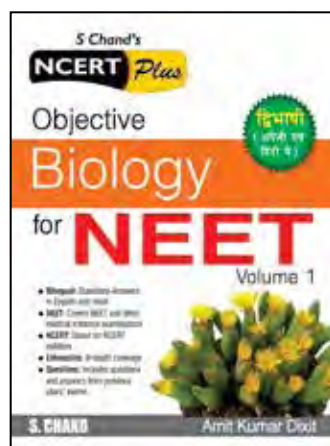
Key Features

- Based on the latest pattern of the examinations.
- Questions arranged chapter-wise and topic-wise in an easy-to-understand manner.
- Advanced Level Questions (ALQs) and Assertion-Reason Questions have been provided in each chapter.
- Sufficient practice sets and test papers.
- Previous years' question papers included.

ISBN: 9789352833795 | Code: 9789352833795 | Price: ₹ 330 | Pages: 352 | Size: 8.25" X 10.25" (Paperback)

Contents

Unit-1: Reproduction: 1. Reproduction in Organisms, 2. Sexual Reproduction in Flowering Plants, 3. Human Reproduction, 4. Reproductive Health, **Unit-2: Genetics and Evolution:** 5. Principle of Inheritance and Variation, 6. Molecular Basis of Inheritance, 7. Evolution, **Unit-3: Biology in Human Welfare:** 8. Human Health and Disease, 9. Strategies for Enhancement in Food Production, 10. Microbes in Human Welfare, **Unit-4: Biotechnology:** 12. Biotechnology: Principles and Processes, 13. Applications of Biotechnology, **Unit 5: Ecology:** 14. Organism and Population, 15. Ecosystem, 16. Biodiversity and Conservation, 17. Environmental Issues • *Practice Sets: 1 to 5* • *Test Papers: 1 to 5*



Objective Biology for NEET Volume 1

Amit Kumar Dixit

About the Book

This is unique bilingual book that specially help candidates coming from Hindi background. Understanding the question fully is the first requirement to answer it correctly. Books are based on NCERT pattern, provide sufficient practice material that includes previous years' questions.

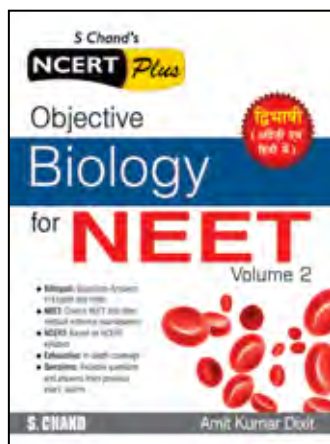
Key Features

- **Bilingual:** Question-Answers in English and Hindi
- **NEET:** Covers NEET and other medical entrance examinations
- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830022 | Code: 10HE000032 | Price: ₹ 499 | Pages: 640 | Size: 8.25" X 10.5" (Paperback)

Contents

Unit-1: Diversity in The Living World (जीव जगत में विविधता): 1. The Living World (सजीव जगत), 2. Biological Classification (जैविक वर्गीकरण), 3. Plant Kingdom (वनस्पति जगत), 4. Animal Kingdom (जंतु जगत), **Unit-2: Structural Organisation in Plants and Animals (पौधों एवं जंतुओं की आकारिकीय संरचना):** 5. Morphology of Flowering Plants (पुष्पीय पादपों की आकारिकी), 6. Anatomy of Flowering Plants (पुष्पी पादपों का शरीर), 7. Structural Organisation in Animals (प्राणियों में संरचनात्मक संगठन), **Unit-3: Cell: Structure and Functions (कोशिका: संरचना एवं कार्य):** 8. Cell—The Unit of Life (कोशिका—जीवन की इकाई), 9. Biomolecules (जैवअणु), 10. Cell Cycle and Cell Division (कोशिका चक्र तथा कोशिका विभाजन), **Unit-4: Plant Physiology (पादप कार्यिकी):** 11. Transport in Plants (पादपों में परिवहन), 12. Mineral Nutrition (खनिज पोषण), 13. Photosynthesis in Higher Plants (उच्च पादपों में प्रकाश संश्लेषण), 14. Respiration in Plants (पादपों में श्वसन), 15. Plant Growth and Development (पादप वृद्धि तथा विकास), **Unit-5: Human Physiology (मानव क्रियाविज्ञान):** 16. Digestion and Absorption (पाचन और अवशोषण), 17. Breathing and Exchange of Gases (श्वसन और गैसीय विनिमय), 18. Body Fluids and Circulation (शरीर तरल और संचरण), 19. Excretory Products and their Elimination (उत्सर्जी उत्पाद एवं उनका निष्कासन), 20. Locomotion and Movement (संचलन और गति), 21. Neural Control and Coordination (तंत्रिकीय नियंत्रण समन्वय), 22. Chemical Control and Coordination (रासायनिक नियंत्रण तथा समन्वय) • *AIPMT/NEET Previous Years Questions* (पिछले वर्षों में पूछे गये प्रश्न)



Objective Biology for NEET Volume 2

Amit Kumar Dixit

About the Book

This is unique bilingual book that specially help candidates coming from Hindi background. Understanding the question fully is the first requirement to answer it correctly. Books are based on NCERT pattern, provide sufficient practice material that includes previous years' questions.

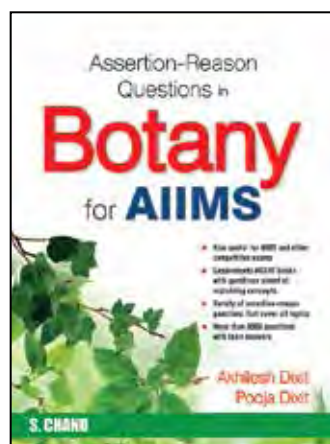
Key Features

- **Bilingual:** Question-Answers in English and Hindi
- **NEET:** Covers NEET and other medical entrance examinations
- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830039 | Code: 10HE000033 | Price: ₹ 375 | Pages: 440 | Size: 8.25" X 10.25" (Paperback)

Contents

Unit-1: Reproduction (जनन): 1. Reproduction in Organisms (जीवों में जनन), 2. Sexual Reproduction in Flowering Plants (पुष्पीय पादपों में लैंगिक जनन), 3. Human Reproduction (मानव जनन), 4. Reproductive Health (जनन स्वास्थ्य), **Unit-2: Genetics and Evolution (आनुवांशिकता एवं जैवविकास):** 5. Principles of Inheritance and Variation (वंशागतिक के सिद्धांत तथा विभिन्नता), 6. Molecular Basis of Inheritance (वंशागतिक का आणविक आधार), 7. Evolution (विकास), **Unit-3: Biology in Human Welfare (मानव कल्याण में जीव विज्ञान):** 8. Human Health and Disease (मानव स्वास्थ्य और रोग), 9. Strategies for Enhancement in Food Production (खाद्य उत्पादन में वृद्धि की कार्यनीति), 10. Microbes in Human Welfare (मानव कल्याण में सूक्ष्मजीव), **Unit-4: Biotechnology (जैव प्रौद्योगिकी):** 11. Biotechnology: Principles and Processes (जैव प्रौद्योगिकी: सिद्धांत एवं प्रक्रियाएं), 12. Biotechnology and its application (जैवप्रौद्योगिकी और इसके अनुप्रयोग), **Unit-5: Ecology (परिस्थितिकी):** 13. Organisms and Populations (जीव तथा समष्टियाँ), 14. Ecosystem (परिस्थितिकी तंत्र), 15. Biodiversity and Conservation (जैवविविधता तथा संरक्षण), 16. Environmental Issues (पर्यावरणीय मुद्दे) • *AIPMT/NEET Previous Years Questions* (पिछले वर्षों में पूछे गये प्रश्न)



Assertion-Reason Questions in Botany for AIIMS

Akhilesh Dixit & Pooja Dixit

About the Book

Assertion-Reason Questions in Botany for AIIMS provides a comprehensive set of questions to supplement learnings from the NCERT textbooks. This book will help the students polish their concepts so that they are successful in competitive examinations, which demand accuracy and time management.

Key Features

- Useful for NEET and other competitive examinations as well
- Strictly follows the NCERT pattern
- Authored by experts

ISBN: 9789385879029 | Code: 9789385879029 | Price: ₹ 200 | Pages: 164 | Book Size: 8.25" X 10.5" (Paperback)

Contents

1. The Living World, 2. Biological Classification, 3. Plant Kingdom, 4. Morphology of Flowering Plants, 5. Anatomy of Flowering Plants, 6. Cell: The Unit of Life, 7. Biomolecules, 8. Cell Cycle and Cell Division, 9. Transportation in Plants, 10. Mineral Nutrition, 11. Photosynthesis in Higher Plants, 12. Respiration in Plants, 13. Plant Growth and Development, 14. Reproduction in Organisms, 15. Sexual Reproduction in Flowering Plants, 16. Principles of Inheritance and Variation, 17. Molecular Basis of Inheritance, 18. Strategies for Enhancement in Food Production, 19. Microbes in Human Welfare, 20. Organisms and Populations, 21. Ecosystem, 22. Biodiversity and Conservation, 23. Environmental Issues

Akhilesh Dixit teaches in a leading coaching institute in Kota, Rajasthan. He is a gold medalist from MJP Rohilkhand University and has an experience of more than 14 years in his profession.

Pooja Dixit is MSc Botany (Hons.) from MJP Rohilkhand University.



Objective Life Science (Plant Science)

Prasann Kumar & Padmanabh Dwivedi

About the Book

"Objective Life Science (Plant Science)" is an exclusive fundamental search based collection of multiple choice questions prepared for students mainly to help them revise, consolidate and improve their knowledge and skills.

The book comprises of ten chapters covering different aspects of plant science containing around 6000 questions accompanied with their answers at the end of each chapter.

Useful for

- GATE • NEET • JIPMER-PG • IIT-JAM (Joint Admission Test for MSc) • UGC • Civil Services • CSIR • TIFR (Tata Institute of Fundamental Research) • NCBS (National Centre for Biological Science) • IISc • ICAR-JRF • ICAR-SRF • IARI (Indian Agricultural Research Institute) • DBT (Department of Biotechnology-Ministry of Science & Technology) • ASRB (Agricultural Scientists Recruitment Board) • ICMR • DPMT (Delhi University Pre-Medical Test) • AFMC • Biology Olympiads

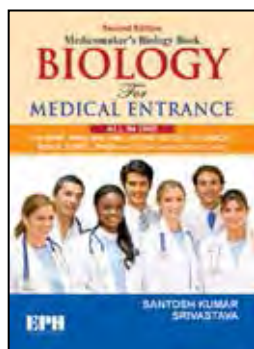
ISBN: 9789352533671 | Code: 9789352533671 | Price: ₹ 395 | Pages: 584 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Plant Anatomy, 2. Ecological Principles, 3. Evolution and Behaviour, 4. System Physiology-Plant, 5. Economic Botany and General Agriculture, 6. Microbiology, 7. Molecular Biology, 8. Biochemistry, 9. Morphogenesis and Development, 10. Cellular Organization, Fundamental Processes, Cell Communication and Cell Signalling

Prasann Kumar is a Ph.D. student in the Department of Plant Physiology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi. He has completed International Agricultural Rural Development Programme from Cornell University.

Padmanabh Dwivedi, Professor & Head, Department of Plant Physiology, Institute of Agricultural Sciences, Banaras Hindu University, is a Fellow of Cambridge Commonwealth Society (UK), Cambridge Philosophical Society (U.K.), Indian Botanical Society, Indian Society for Plant Physiology and Purvanchal Environmental Association.



Biology for Medical Entrance, 2e

Santosh Kumar Srivastava

ISBN: 9788121935234

Code: 1003B00390

Price: ₹ 875 | Pages: 1,616

Size: 6.75" X 9.5" (Paperback)

About the Book

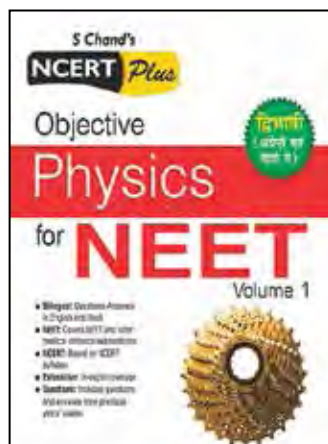
The book "Biology for Medical Entrance" is intended for students who are preparing for careers in medical and health. It is a comprehensive all in one biology book that provides articles that will prove invaluable to students appearing in national and state level Medical Entrance Examinations.

Key Features

- Chapters reflect the extensive and up-to-date coverage of molecular biology, immunology, cytology, genetics, ecology, botany and zoology. Each includes explicit diagrams illustrating the intricacy of the described mechanisms. Each chapter begins with the understanding of biological phenomena.
- Exclusive diagrams have been used extensively throughout; they're being over 1500 in the book, both to explain the text and to make it more interesting to look at.
- The appendix of the book includes Author's Diary, this transcribed and spliced matter acts as pre-test refresher, when the entrance examination is nearby. This refreshing and revitalizing treatment generates a perfect confidence to win the task.
- The end of the book provides encyclopaedic index of topics and articles described throughout the book.

Contents

Unit-1: Study of Life: 1. Nature and Scope of Biology, 2. Understanding Life, 3. Atoms, Molecules and Life, 4. Tools and Techniques, **Unit-2: Diversity in Living World:** 5. Classification of Organisms, 6. Viruses and Prions, 7. Kingdom Monera, 8. Kingdom Protista, 9. Kingdom Fungi, 10. Kingdom Plantae: Lower Plants, 11. Kingdom Plantae: Higher Plants, 12. Kingdom Animalia: Protostomes, 13. Kingdom Animalia: Deuterostomes, **Unit-3: Structural Organization in Animals and Plants:** 14. Plant: Morphology and Modifications, 15. Plant Tissues and Primary Growth, 16. Anatomy of Flowering Plants, 17. Secondary Growth in Stems and Roots, 18. Animal Tissues and Body Organization, 19. Cockroach: Morphology and Systems, **Unit-4: Cell Structure and Function:** 20. Biological Molecules, 21. Energy, Enzymes and Catalysis, 22. Cell Membranes: Structure and Function, 23. Organization of the Cell, 24. Cell Division and Cell Cycle, **Unit-5: Plant Physiology:** 25. Transport in Plants, 26. Mineral Nutrition, 27. Photosynthesis: Light & Life, 28. Respiration: Liberation of Energy, 29. Plant Growth and Movements, **Unit-6: Human Physiology:** 30. Homeostasis and Thermoregulation, 31. Digestion and Absorption, 32. Breathing and Respiration, 33. Body Fluids and Circulation, 34. Excretory Products and Their Elimination, 35. Locomotion and Movement: Muscles, 36. Locomotion and Movement: Bones, 37. Neural Control and Coordination, 38. Sense Organs and Sensory Functions, 39. Chemical Coordination and Regulation, 40. Immune System and Body Defense, **Unit-7: Reproduction:** 41. Reproduction in Organisms, 42. Sexual Reproduction in Flowering Plants, 43. Human Reproduction, 44. Embryonic Development, 45. Reproductive Health, **Unit-8: Genetics and Evolution:** 46. Mendelian Inheritance, 47. Chromosomal Basis of Inheritance, 48. Molecular Basis of Inheritance, 49. Gene Expression and its Regulation, 50. Human Genetics, 51. Recombinant DNA Technology, 52. Origin of Life and Concept of Evolution, 53. The Mechanism of Evolution, 54. Adaptation and Speciation, 55. Human Evolution, **Unit-9: Biology in Human Welfare:** 56. Human Health and Diseases, 57. Improvements in Food Production, 58. Microbes in Human Welfare, 59. Applications of Biotechnology, **Unit-10: Ecology and Environment:** 60. Organism and Environment, 61. Community Interactions, 62. Ecosystem: Structure and Function, 63. Biodiversity and its Conservation, 64. Environmental Issues • *Appendix: Author's Diary • Article Search Index*



Objective Physics for NEET Volume 1

Experts from Kota

About the Book

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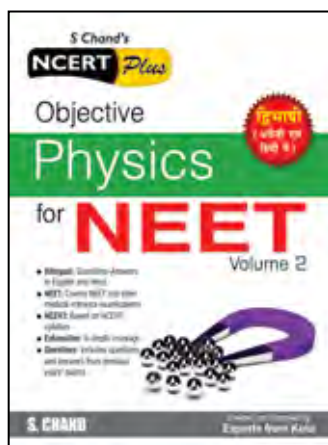
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- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830145 | Code: 10HE000047 | Price: ₹ 480 | Pages: 584 | Size: 8.25" X 10.5" (Paperback)

Contents

Unit-I: 1. Physical World (भौतिकी जगत), 2. Units and Measurements (मात्रक और मापन), 3. Motion in a Straight Line (समतल में गति), 4. Motion in a Plane (समतल में गति), 5. Laws of Motion (गति के नियम), 6. Work, Energy and Power (कार्य, ऊर्जा और शक्ति), 7. System of Particles and Rotational Motion (कणों के नियम तथा घूर्णी गति), 8. Gravitation (गुरुत्वाकर्षण), **Unit-II:** 9. Mechanical Properties of Solids (ठोसों के यांत्रिक गुण), 10. Mechanical Properties of Fluids (तरलों के यांत्रिक गुण), 11. Thermal Properties of Matter (द्रव्य तापीय के गुण), 12. Thermodynamics (उष्मागतिकी), 13. Kinetic Theory (अनूगति सिद्धांत), 14. Oscillations (दोलन), 15. Waves (तरंगे) • **AIPMT/NEET Previous Years Questions** (पिछले वर्षों में पूछे गये प्रश्न)



Objective Physics for NEET Volume 2

Experts from Kota

About the Book

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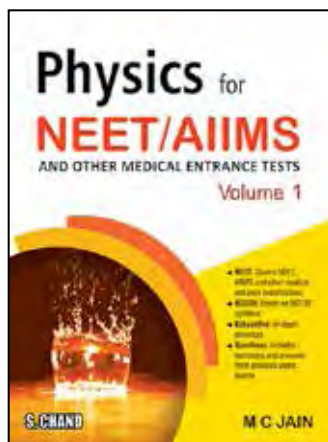
Key Features

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- **NEET:** Covers NEET and other medical entrance examinations
- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830152 | Code: 9789352830152 | Price: ₹ 525 | Pages: 612 | Size: 8.25" X 10.5" (Paperback)

Contents

Part-I: 1. Electric Charges and Fields (वैद्युत आवेश तथा क्षेत्र), 2. Electrostatic Potential and Capacitance (स्थिर वैद्युत विभव तथा धारिता), 3. Current Electricity (विद्युत धारा), 4. Moving Charges and Magnetism (गतिमान आवेश और चुंबकत्व), 5. Magnetism and Matter (चुंबकत्व एवं द्रव्य), 6. Electromagnetic Induction (वैद्युत चुंबकीय प्रेरण), 7. Alternating Current (प्रत्यावर्ती धारा), 8. Electromagnetic Waves (वैद्युत चुंबकीय तरंगें), **Part-II:** 9. Ray Optics and Optical Instruments (किरण प्रकाशिकी एवं प्रकाशिक यंत्र), 10. Wave Optics (तरंग-प्रकाशिकी), 11. Dual Nature of Radiation and Matter (विकिरण तथा द्रव्य की द्वैत प्रकृति), 12. Atoms (परमाणु), 13. Nuclei (नाभिक), 14. Semiconductor Electronics: Materials, Devices and Simple Circuits (अर्धचालक इलेक्ट्रॉनिक्स – पदार्थ, युक्तियाँ तथा सरल परिपथ), 15. Communicating Systems (संचार व्यवस्था) • **AIPMT/NEET Previous Years Questions** (पिछले वर्षों में पूछे गये प्रश्न)



Physics for NEET/AIIMS Volume 1

M C Jain

About the Book

Physics for NEET Volume I has been written in a simplistic style which helps the student to not only study by themselves but also accrue confidence of knowing concepts by solving numerous MCQs which are aptly placed based on the level of difficulty.

The book covers topics which are normally part of Class XI syllabus and are replete with Illustrations and previous years' questions. Test papers also add to the practice quotient of the book and with solutions to almost all questions, the book provides a complete practice-based atmosphere for the student to revel in.

Salient Features

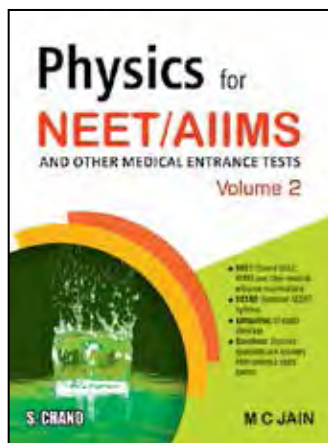
- Simple theory which aids conceptual understanding of topics
- Illustrative examples to support the theory provided
- Close to 700 examples and figures followed by over 4000 MCQs and Assertion-Reason Questions

ISBN: 9789352531905 | Code: 9789352531905 | Price: ₹ 550 | Pages: 724 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Measurement: Units, Dimensions and Errors, 2. Scalars and Vectors, 3. Motion in a Straight Line, 4. Motion in a Plane-I: Projectile Motion, 5. Forces and Newton's Laws of Motion, 6. Motion in a Plane-II: Circular Motion, 7. Work, Energy and Power, 8. Conservation of Momentum, Centre of Mass, Collisions, 9. Rotational Motion, 10. Gravitation, 11. Simple Harmonic Motion, 12. Elasticity, 13. Fluid Statics, 14. Flow of Ideal Fluids, 15. Viscosity, 16. Surface Tension, 17. Thermal Expansion, Gas Laws and Kinetic Theory of Gases, Thermometry, 18. Heat, Work and Laws of Thermodynamics, 19. Modes of Heat Transfer, 20. Waves, 21. Superposition of Waves • *Self Assessment Test – 1* • *Self Assessment Test – 2*

Mahesh C Jain is Former Associate Professor, Department of Physics, Hindu College, University of Delhi.



Physics for NEET/AIIMS Volume 2

M C Jain

About the Book

Physics for NEET Volume II has been written in a simplistic style which helps the student to not only study by themselves but also accrue confidence of knowing concepts by solving numerous MCQs which are aptly placed based on the level of difficulty.

The book covers topics which are normally part of Class XII syllabus and are replete with Illustrations and previous years' questions. Test papers and latest NEET exam papers are also added and with solutions to almost all questions, the book provides a complete practice-based atmosphere for the student to revel in.

Key Features

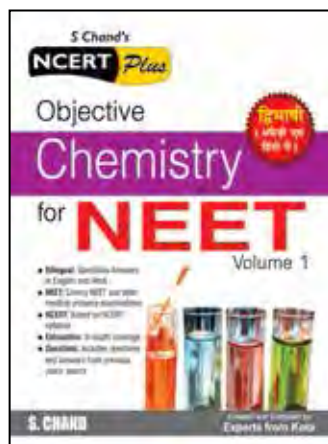
- Simple theory which aids conceptual understanding of topics
- Illustrative examples to support the theory provided
- Close to 700 examples and figures followed by over 4000 MCQs and Assertion-Reason Questions

ISBN: 9789352531912 | Code: 9789352531912 | Price: ₹ 525 | Pages: 672 | Size: 8.25" X 10.5" (Paperback)

Contents

1. Electrostatics, 2. Current Electricity, 3. Electrical Energy and Power, Heating Effect of Current, 4. Moving Charges and Magnetic Field, 5. Magnetic Dipole and Magnetism, 6. Electromagnetic Induction and Electromagnetic Waves, 7. Alternating Current Circuits, 8. Ray Optics, 9. Wave Optics, 10. Dual Nature of Matter and Radiation, Atomic Physics, 11. Nuclear Physics, 12. Electronic Devices, 13. Communication Systems • *Comprehensive Self-Assessment Test - 1* • *Comprehensive Self-Assessment Test - 2*

Mahesh C Jain is Former Associate Professor, Department of Physics, Hindu College, University of Delhi.



Objective Chemistry for NEET Volume 1

Experts from Kota

About the Book

This is unique bilingual book that specially help candidates coming from Hindi background. Understanding the question fully is the first requirement to answer it correctly. Books are based on NCERT pattern, provide sufficient practice material that includes previous years' questions.

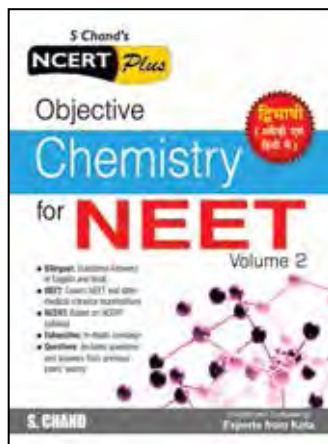
Key Features

- **Bilingual:** Question-Answers in English and Hindi
- **NEET:** Covers NEET and other medical entrance examinations
- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830121 | Code: 10HE000045 | Price: ₹ 395 | Pages: 548 | Size: 8.25" X 10.5" (Paperback)

Contents

Part-I: 1. Some Basic Concepts of Chemistry (रसायन विज्ञान के कुछ आधारभूत तथ्य), 2. Structure of Atoms (परमाणु संरचना), 3. Classification of Elements and Periodicity in Properties (तत्वों का वर्गीकरण और आवर्त सारणी के गुण), 4. Chemical Bonding and Molecular Structure (रासायनिक आबन्ध और अणुओं की संरचना), 5. States of Matter (द्रव्य की अवस्थाएँ), 6. Thermodynamics (ऊष्मागतिकी), 7. Equilibrium (रसायनिक साम्य), **Part-II:** 8. Redox Reactions (ऑक्सीकरण अपचयन अभिक्रियाएँ), 9. Hydrogen (हाइड्रोजन), 10. The s-Block Elements (s-ब्लॉक के तत्व), 11. The p-Block Elements (p-ब्लॉक के तत्व), 12. Organic Chemistry—Some Basic Principles and Techniques (कार्बनिक रसायन—आधारभूत सिद्धांत तथा तकनीक), 13. Hydrocarbons (हाइड्रोकार्बन), 14. Environmental Chemistry (पर्यावरणीय रसायन) • **AIPMT/NEET Previous Years Questions** (पिछले वर्षों में पूछे गये प्रश्न)



Objective Chemistry for NEET Volume 2

Experts from Kota

About the Book

This is unique bilingual book that specially help candidates coming from Hindi background. Understanding the question fully is the first requirement to answer it correctly. Books are based on NCERT pattern, provide sufficient practice material that includes previous years' questions.

Key Features

- **Bilingual:** Question-Answers in English and Hindi
- **NEET:** Covers NEET and other medical entrance examinations
- **NCERT:** Based on NCERT syllabus
- **Exhaustive:** In-depth coverage
- **Questions:** Includes questions and answers from previous years' exams

ISBN: 9789352830138 | Code: 10HE000046 | Price: ₹ 450 | Pages: 524 | Size: 8.25" X 10.5" (Paperback)

Contents

Part-I: 1. The Solid State (ठोस अवस्था), 2. Solutions (विलयन), 3. Electrochemistry (विद्युत रासायनिकी), 4. Chemical Kinetics (रासायनिक बलगतिकी), 5. Surface Chemistry (पृष्ठ रसायन), 6. General Principles and Processes of Isolation of Elements (तत्वों के निष्कर्षण के सिद्धांत एवं प्रक्रम), 7. The P-Block Elements (P-ब्लॉक के तत्व), 8. The D- and F-Block Elements (D- तथा F-ब्लॉक के तत्व), 9. Co-ordination Compounds (उपसहसंयोजक यौगिक), **Part-II:** 10. Haloalkanes and Haloarenes (हेलोएल्केन तथा हेलोएरीन), 11. Alcohols, Phenols and Ethers (एल्कोहॉल, फीनॉल तथा ईथर), 12. Aldehydes, Ketones and Carboxylic Acids (एल्डिहाइड, कीटोन तथा कार्बोक्सिलिक अम्ल), 13. Amines (ऐमीन), 14. Biomolecules (जैविक अणु), 15. Polymers (बहुलक), 16. Chemistry in Everyday Life (दैनिक जीवन में रसायन विज्ञान) • **AIPMT/NEET Previous Years Questions** (पिछले वर्षों में पूछे गये प्रश्न)



Grewal's Accountancy (For CA Foundation)

M P Gupta & B M Agarwal

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject *Principles and Practice of Accounting*. It has been revised and remodelled according to the newly introduced C.A. Foundation course and hence the subject matter has been thoroughly revised, enlarged and updated. The book provides conceptual knowledge and understanding of various principles and systems of accounting and their practical application in different sets of business transactions.

Key Features

- Close to 350 illustrations throughout the text to aid understanding
- Over 200 numerical problems and close to 150 theoretical questions for practice
- 600+ objective type questions to test understanding of the concepts
- Updated chapter on 'Accounting Standards and Accounting Policies'
- Inclusion of new format of Profit and Loss Account and Balance Sheet of the Companies (Schedule III to the Companies Act, 2013)

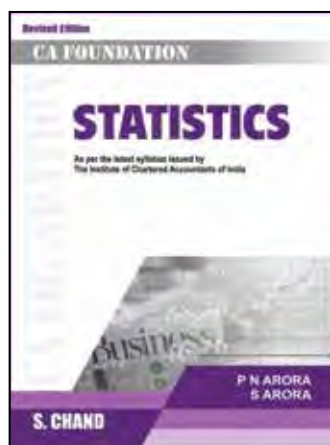
ISBN: 9789352833283 | Code: 10HE000085 | Price: ₹ 550 | Pages: 728 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Accounting Theory and Philosophy, 2. Accounting Standards and Accounting Policies, 3. Rules of Accounting and the Journal, 4. Ledger, 5. Cash Book, 6. Subsidiary Books, 7. Trial Balance and Rectification of Errors, 8. Capital and Revenue (Expenditure and Receipts), 9. Depreciation Accounting, 10. Final Accounts, 11. Inventory Valuation, 12. Accounting for Bills of Exchange, 13. Bank Reconciliation Statement, 14. Issue and Forfeiture of Shares, 15. Issue of Debentures, 16. Financial Statements of Companies (Statement of Profit and Loss and Balance Sheet as per Schedule III to the Companies Act, 2013), 17. Financial Statements of Not-for-Profit Organizations, 18. Royalty Accounts, 19. Accounting for Joint Venture, 20. Accounting for Consignments, 21. Partnership-I Fundamentals (Including LLPs), Valuation of Goodwill and Final Accounts, 22. Partnership II Admission of a Partner, 23. Partnership-III Retirement and Death of a Partner, 24. Average Due Date and Account Current, 25. Sale of Goods on Approval or Return Basis, 26. Contingent Assets and Contingent Liabilities, 27. Basic Accounting Ratios (Profitability, Solvency, Liquidity and Turnover)

M P Gupta, MCom, PhD, is Director, Jagran College of Art, Science and Commerce, Kanpur and Visiting Faculty Member, Central India Regional Council of Institute of Chartered Accountants of India, Kanpur and Kanpur Chapter of the Institute of Company Secretaries of India.

B M Agarwal, MCom, PhD, ACS, was formerly Head of Department - Commerce, DAV College and Visiting Faculty Member, Central India Regional Council of Institute of Chartered Accountants of India, Kanpur and Kanpur Chapter of the Institute of Company Secretaries of India.



Statistics (For CA Foundation)

P N Arora & S Arora

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Statistics. Written in concise and self-explanatory style, this book lucidly explains each concept with the help of solved examples. Keeping in view the new syllabus, a new chapter on Time Series Analysis has been included. Further, Statistical Tables for student's ready reference have also been included towards the end of the book.

Key Features

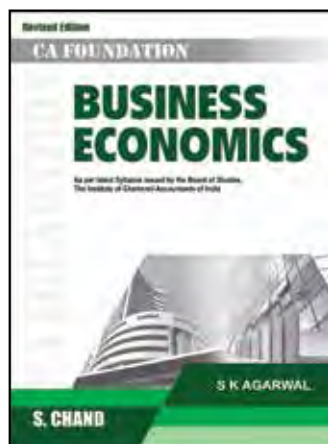
- 300+ examples have been provided throughout the text to aid students in understanding of the concepts
- Multiple choice questions having more than 1700 questions (with answers) as well as hints/solutions for select questions have been provided for practice
- Question bank having more than 950 questions has been provided at the end of each chapter to test understanding of the concepts

ISBN: 9789352833702 | Code: 9789352833702 | Price: ₹ 499 | Pages: 560 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Statistical Description of Data, 2. Measures of Central Tendency or Averages, 3. Measures of Dispersion, 4. Correlation Analysis, 5. Regression Analysis, 6. Time Series Analysis, 7. Probability, 8. Expected Value or Mathematical Expectation, 9. Theoretical Distributions, 10. Index Numbers • *Statistical Tables*

P N Arora, M.A., Ph.D. (DU), Former Professor of Mathematics Dayal Singh College University of Delhi, Delhi.



Business Economics (For CA Foundation)

S K Agarwal

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Business Economics. It has been revised and remodelled according to the newly introduced C.A. Foundation course. Written in concise and self-explanatory style, this book contains detailed notes and Multiple Choice Questions-Answers with detailed reasoning on Business Economics.

Key Features

- Over 375 chapter-end and 650 book-end multiple choice questions-answers with detailed reasoning to test and strengthen understanding of the concepts
- Specifically designed as per the new CA Foundation syllabus
- New chapter on Business Cycles

ISBN: 9789352833559 | Code: 9789352833559 | Price: ₹ 275 | Pages: 264 | Size: 6.75" X 9.5" (Paperback)

Contents

I. Introduction to Business Economics: 1. Nature and Scope of Business Economics, 2. Basic Problems of an Economy and Role of Price Mechanism, **II: Theory of Demand and Supply:** 1. Law of Demand and Elasticity of Demand, 2. Theory of Consumer Behaviour, 3. Law of Supply and Elasticity of Supply, **III: Theory of Production and Cost:** 1. Theory of Production, 2. Theory of Cost, **IV: Price Determination in Different Markets:** 1. Meaning and Types of Market, 2. Determination of Equilibrium Price, 3. Price – Output Determination under Different Market Forms, **V: Business Cycles • Additional Questions and Answers with Detailed Reasoning**

S K Agarwal, Faculty, The Institute of Chartered Accountants of India.



Business Laws (For CA Foundation)

P P S Gogna

About the Book

The book has been primarily designed for the students of C.A. Foundation course for the subject Business Laws. Written in concise and self-explanatory style, this book provides conceptual knowledge and understanding of various acts, such as, The Indian Contract Act, 1872; The Sale of Goods Act, 1930; The Indian Partnership Act, 1932. Further, chapters on The Limited Liability Partnership Act, 2008 and The Companies Act, 2013, have also been incorporated in the book keeping in view the new syllabus.

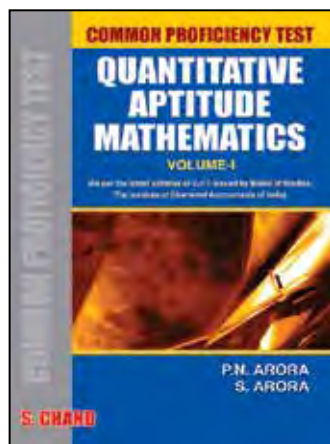
Key Features

- Over 400 Practical Type Analytical Examples
- More than 300 Subjective Examples with detailed notes
- 1400+ Multiple Choice Questions – Answers with detailed reasoning

ISBN: 9789352833566 | Code: 9789352833566 | Price: ₹ 499 | Pages: 696 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: The Indian Contract Act, 1872: 1. Nature and Kinds of Contracts, 2. Offer and Acceptance, 3. Consideration, 4. Capacity to Contract, 5. Free Consent, 6. Legality of Object and Consideration, 7. Void Agreements, 8. Contingent Contracts, 9. Quasi Contracts, 10. Performance of Contracts, 11. Discharge of Contracts, 12. Breach of Contract, **Part-II: The Sale of Goods Act, 1930:** 13. Nature and Formation of Contract of Sale, 14. Conditions and Warranties, 15. Transfer of Ownership and Delivery of Goods, 16. Unpaid Seller and His Rights, 17. Auction Sale, **Part-III: The Indian Partnership Act, 1932:** 18. General Nature of Partnership, 19. Registration of a Firm, 20. Rights and Duties of Partners (Mutual Relations of Partners), 21. Liabilities of the Firm and its Partners and Reconstitution of a Firm, 22. Dissolution of a Firm, **Part-IV: The Limited Liability Act, 2008:** 23. Nature and Scope of Limited Liability Partnerships, 24. Features, Characteristics and Business Operations, 25. Incorporation of LLP and Differences with Other Forms of Organizations, **Part-V: The Companies Act, 2013:** 6. Nature and Kinds of Companies, 27. Formation of a Company, 28. Memorandum of Association, 29. Articles of Association, 30. Shares of a Company, 31. Share Capital



Quantitative Aptitude Mathematics, Volume-I, For CPT 3e

P N Arora & S Arora

About the Book

The thoroughly revised edition of this book presents elementary concepts of Mathematics and its application as a useful quantitative tool. The book has a refreshing approach as each chapter begins with results and formulae in detail followed by illustrations, graphs, diagrams and exercises with solutions and hints, and ends with a question bank. Explanation of fundamental concepts with the help of solved examples makes understanding of concepts lucid and simple. It is developed as per the old syllabus of CA-CPT issued by Board of Studies, The Institute of Chartered Accountants of India.

Key Features

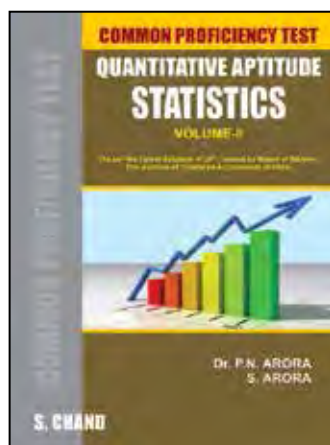
- Nearly 1800 solved problems to aid understanding concepts and 2200 unsolved questions to test knowledge
- The solutions to the questions appeared in the C.A. Foundation Course or P.E.-1 Examination in the relevant topics
- Five sample papers based on the previous years CPT examination papers

ISBN: 9788121928472 | Code: 1007C00435 | Price: ₹ 495 | Pages: 672 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Ratio and Proportion, 2. Indices, 3. Logarithms, 4. Simple and Compound Interest including Annuity-Applications, 5. Linear Equations, 6. Quadratic and Cubic Equations, 7. The Straight line – Co-ordinate Geometry, 8. Inequalities, 9. Basic Concepts of Permutations and Combinations, 10. Sequence and Series – Arithmetic and Geometric Progressions, 11. Sets, Functions and Relations, 12. Limits and Continuity — Intuitive Approach, 13. Differential Calculus, 14. Integral Calculus • *Appendix: Common Proficiency Test Sample Papers • Logarithms Tables*

P N Arora is MIE Formerly Reader, Dayal Singh College, University of Delhi, Delhi.



Quantitative Aptitude Statistics, Volume-II, For CPT 5e

P N Arora & S Arora

About the Book

The revised edition of this book presents elementary concepts of Statistics and its application as a useful quantitative tool. The book explains each of the discussed concepts with the help of numerous solved examples. It is developed as per the old syllabus of CA-CPT issued by Board of Studies, The Institute of Chartered Accountants of India.

Key Features

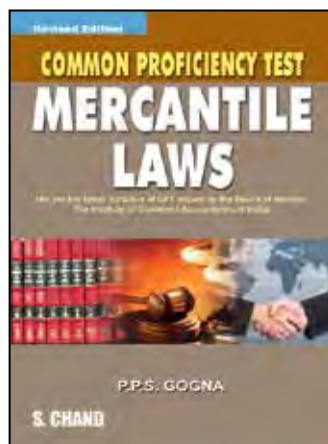
- Nearly 350 examples to aid understanding of the concepts and 2900+ multiple choice questions with answers to test understanding
- Exclusive chapter on Revision Techniques (Results and Formulae) for each chapter
- Four sample papers based on the previous years CPT examination papers

ISBN: 9788121928502 | Code: 1007B00436 | Price: ₹ 445 | Pages: 624 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Statistical Description of Data, 2. Measures of Central Tendency or Averages, 3. Measures of Dispersion, 4. Correlation Analysis, 5. Regression Analysis, 6. Sampling and Estimation Theory, 7. Probability, 8. Expected Value by Mathematical Expectation, 9. Theoretical Distributions, 10. Index Numbers, 11. Revision Techniques (Result and Formulae - Chapter Wise) • *Appendix: CPT Sample Papers*

P N Aroa, Formerly Reader, Dayal Singh College, University of Delhi, Delhi.



Mercantile Laws, For CPT 3e

P P S Gogna

About the Book

The revised and enlarged edition of this book is a complete, comprehensive and unique presentation of basic elements of Mercantile Laws. It illustrates the intricate legal provisions in a student-friendly and simple manner and is specifically developed as per the old syllabus of CA-CPT issued by Board of studies, The Institute of Chartered Accountants of India.

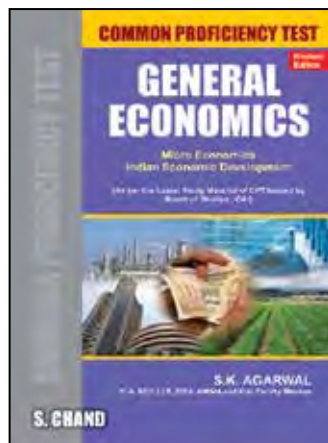
Key Features

- Chapter-end 'Key Points for Quick Revision' to enable students to have last minute glance at important topics
- Model test papers, Mock test papers and Revision test papers at book end comprising important questions to test retention of concepts
- Strong chapter-end exercises comprising more than 1300 Multiple choice question, over 250 Objective type questions and above 100 Fill in the blanks and pair matching questions

ISBN: 9788121928601 | Code: 1007D00438 | Price: ₹ 399 | Pages: 472 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: The Indian Contract Act, 1872: 1. Nature and Kinds of Contracts, 2. Offer and Acceptance, 3. Consideration, 4. Capacity to Contract, 5. Free Consent, 6. Legality of Object and Consideration, 7. Void Agreements, 8. Contingent Contracts, 9. Quasi Contracts, 10. Performance of Contracts, 11. Discharge of Contracts, 12. Breach of Contract, **Part-II: The Sale of Goods Act, 1930:** 13. Nature and Formation of Contract of Sale, 14. Conditions and Warranties, 15. Transfer of Ownership and Delivery of Goods, 16. Unpaid Seller and His Rights, **Part-III: The Indian Partnership Act, 1932:** 17. General Nature of Partnership, 18. Registration of a Firm, 19. Rights and Duties of Partners (Mutual Relations of Partners), 20. Liabilities of the Firm and its Partners and Reconstitution of a Firm, 21. Dissolution of a Firm, **Part-IV: Model Test Papers, Part-V: Mock Test Series, Part-VI: Revision Test Papers • Appendix: Auction Sale**



General Economics For CPT 5e

S K Agarwal

About the Book

General Economics is a concise, self-explanatory book on the subject covering Microeconomics and Indian Economic Development. It has been specifically developed as per the curriculum of Common Proficiency Test (CPT) conducted by The Institute of Chartered Accountants of India.

Key Features

- More than 700 new questions with detailed reasoning and answers at the end of each chapter and over 1100 book end questions on the same lines, for thorough testing of understanding of the subject
- A detailed chapter-wise analysis of importance of chapters basis frequency of questions asked in past CPT examinations to facilitate students in setting priorities of topics and chapters while preparing for the examination
- Five Model Test Papers on General Economics for practice
- List of abbreviations of important terms in Economics for quick revision

ISBN: 9788121928878 | Code: 1008I00233 | Price: ₹ 350 | Pages: 392 | Size: 6.75" X 9.5" (Paperback)

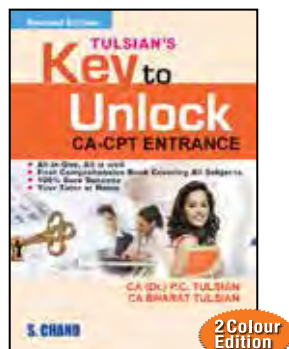
Contents

Section-I: Micro Economics: 1. Introduction to Micro Economics, 2. Theory of Demand and Supply, 3. Theory of Production and Cost, 4. Price Determination in Different Markets, **Section-II: Indian Economic Development:** 5. Indian Economy – A Profile, 6. Select Aspects of Indian Economy, 7. Economic Reforms in India, 8. Money and Banking • *Important Abbreviation • Model Test Papers • 1100 New Additional Questions–Answers*

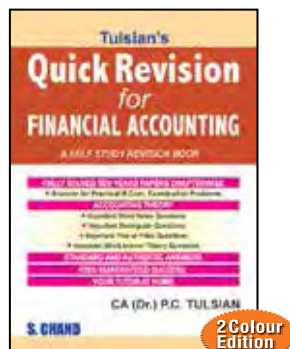
S K Agarwal, Faculty, The Institute of Chartered Accountants of India.

Key to Unlock CA-CPT Entrance With Quick Revision, For CPT

CA (Dr.) P C Tulsian & CA Bharat Tulsian



ISBN: 9788121935111
Code: 1007B00507
Price: ₹ 465 | Pages: 864
Size: 6.75" X 9.5" (PB)

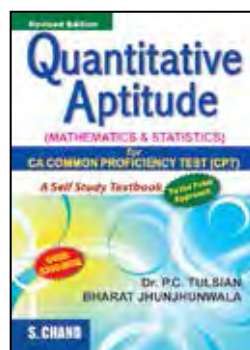


ISBN: 9789383746552
Code: 1007000585
Price: ₹ 175 | Pages: 272
Size: 6.75" X 9.5" (PB)

Contents

Section-A: Fundamentals of Accounting: 1. Meaning and Scope of Accounting, 2. Accounting Principles, 3. Accounting Standards, 4. Accounting Policies, 5. Accounting as a Measurement Discipline, 6. Accounting Equation, 7. Journalising, Posting and Balancing, 8. Subsidiary Books—I (Cash Book), 9. Subsidiary Books—II (Other Books), 10. Bank Reconciliation Statement, 11. Capital and Revenue Expenditures and Receipts, 12. Contingent Assets and Contingent Liabilities, 13. Trial Balance, Errors and Their Rectification, 14. Valuation of Inventory, 15. Depreciation, Reserves and Provisions, 16. Financial Statements, 17. Final Accounts of Manufacturing Entities, 18. Accounting for Consignment, 19. Accounting for Joint Venture, 20. Accounting for Bills of Exchange and Promissory Notes, 21. Goods Sent on Approval or on Sale or Return Basis, 22. Accounting for Partnership Firms – Fundamentals, 23. Reconstitution of Partnership – Change in Profit Sharing Ratio, 24. Reconstitution of Partnership – Admission of a Partner, 25. Reconstitution of Partnership – Retirement/Death of a Partner, 26. Accounting for Share Capital, 27. Redemption of Redeemable Preference Shares, 28. Issue of Debentures, **Section-B: Mercantile Law:** 1. Meaning and Essentials of Contract, 2. Offer and Acceptance, 3. Capacity of Parties, 4. Consideration, 5. Free Consent, 6. Legality of Object and Consideration, and Agreements Opposed to Public Policy, 7. Void Agreement and Contingent Contracts, 8. Performance of Contract, 9. Discharge of Contract, 10. Remedies for Breach of Contract, 11. Quasi-Contracts, 12. The Sale of Goods Act, 1930, 13. The Indian Partnership Act, 1932, **Section-C: General Economics:** 1. Introduction to Micro Economics, 2. Theory of Demand and Supply, 3. Theory of Production and Cost, 4. Price Determination in Different Markets, 5. Indian Economy – A Profile, 6. Select Aspects of Indian Economy, 7. Economic Reforms in India, 8. Money and Banking, **Section-D: Quantitative Aptitude (Statistics):** 1. Statistics—An Introduction, 2. Classification and Tabulation, 3. Diagrammatic and Graphical Presentation, 4. Measures of Central Tendency, 5. Measures of Dispersion, 6. Correlation, 7. Regression Analysis, 8. Index Numbers, 9. Probability Theory, 10. Theoretical Distributions—Binomial Distribution, 11. Theoretical Distributions—Poisson Distribution, 12. Theoretical Distributions—Normal Distribution, 13. Sampling—Theory of Estimation, 14. Sampling—Theory of Test of Hypothesis, **Section-D-1: Quantitative Aptitude (Mathematics):** 1. Ratio, Proportion, Indices and Logarithm, 2. Equations, 3. Graph of Linear Inequalities, 4. Simple and Compound Interest (Including Annuity)—Applications, 5. Basic Concepts of Permutations and Combinations, 6. Sequence and Series, 7A. Sets, 7B. Relations and Functions, 8. Limits and Continuity, 9. Differential Calculus, 10. Integral Calculus, **Quick Revision:** • Revision One Day Before Examination • Section-A: Fundamentals of Accounting • Section-B: Mercantile Law • Section-B: General Economics • Section-D: Quantitative

Aptitude (Statistics) • Tulsian's Model Test Papers-1 • Tulsian's Model Test Papers-2 • Tulsian's Model Test Papers-3 • Tulsian's Model Test Papers-4 • Tulsian's Model Test Papers-5 • Tulsian's Model Test Papers-6 • Tulsian's Model Test Papers-7 • Tulsian's Model Test Papers-8 • Tulsian's Model Test Papers-9 • Tulsian's Model Test Papers-10



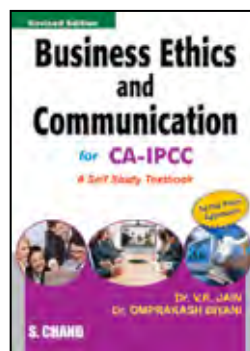
Quantitative Aptitude (Mathematics & Statistics), For CPT

Dr. P C Tulsian &
Bharat Jhunjunwala

ISBN: 9788121929561
Code: 1007C00459
Price: ₹ 575 | Pages: 992
Size: 6.75" X 9.5" (Paperback)

Contents

Section-A: Mathematics: 1. Ratio, Proportion, Indices and Logarithm, 2. Equations, 3. Graph of Linear Inequalities, 4. Simple and Compound Interest Including Annuity-Applications, 5. Basic Concepts of Permutations and Combinations, 6. Sequence and Series, 7A. Sets, 7B. Relations and Functions, 8. Limits and Continuity, 9. Differential Calculus, 10. Integral Calculus, **Section-B: Statistics:** 1. Statistics—An Introduction, 2. Classification and Tabulation, 3. Diagrammatic and Graphical Presentation, 4. Measures of Central Tendency, 5. Measures of Dispersion, 6. Correlation, 7. Regression Analysis, 8. Index Numbers, 9. Probability Theory, 10. Theoretical Distributions—Binomial Distribution, 11. Theoretical Distributions—Poisson Distribution, 12. Theoretical Distributions—Normal Distribution, 13. Sampling—Theory of Estimation, 14. Sampling—Theory of Test of Hypothesis, **Appendices:** I. Important Points to Remember, II. "Why Questions" With Answers, III. "Comment Questions" With Answers, IV. "Statistical Tables", V. Model Test Papers 1 and 2 with Answers



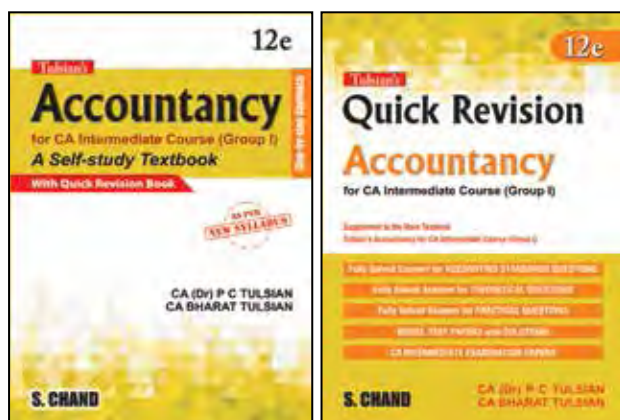
Business Ethics and Communication, For CA-IPCC

Dr. V K Jain &
Dr. Omprakash Biyani

ISBN: 9788121930611
Code: 1010B00373
Price: ₹ 150 | Pages: 248
Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Business Ethics: 1. Principle of Business Ethics, 2. Corporate Governance and Corporate Social Responsibilities, 3. Workplace Ethics, 4. Environment and Ethics, 5. Ethics in Marketing, 6. Ethics in Accounting and Finance, **Part-II: Communication** 7. Essential of Communication, 8. Business Letter Writing, 9. Interpersonal Communication Skills, 10. Group Dynamics, 11. Communication Ethics, 12. Communicating Corporate Culture, Change and Innovative Spirits, 13. Communication in Business Environment, 14. Legal Deeds and Documents • **Appendix: Question Papers**



Accountancy For CA Intermediate Course (Group-I) with Quick Revision, 12e

CA (Dr.) P C Tulsian & CA Bharat Tulsian

Combo Pack

About the Book

This new edition has been primarily designed for the students of CA Intermediate (Group I) course for the subject Accountancy. It has been revised and remodelled as per the new syllabus issued by the Institute of Chartered Accountants of India. This book serves as a self-study text and provides essential guidance for understanding complex accounting principles and practices. Based on the author's proven approach 6 teach yourself style, the book is replete with numerous illustrations, exhibits and solved problems.

Key Features

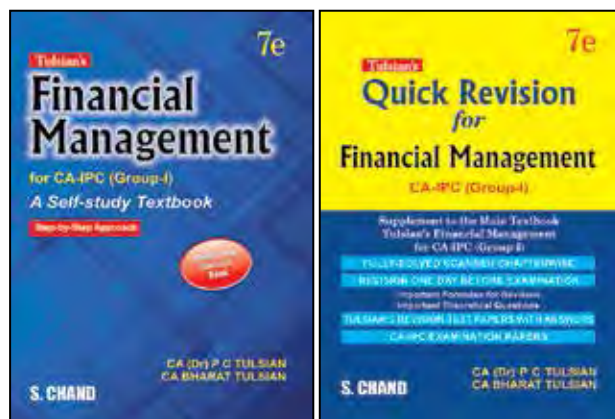
- Numerous exhibits to acquaint students with various accounting treatment and formats

- Close to 450 illustrations to aid understanding of the concepts
- Over 175 theoretical questions with answers and close to 450 solved problems along with working notes

ISBN: 9789352535217 | Code: 9789352535217 | Price: ₹ 895 | Pages: 1224+296 | Size: 6.75" X 9.5" (Paperback)

Contents

Course (GROUP I) SECTION A-Textbook, 1. Redemption of Redeemable Preference Shares, 2. Redemption of Debentures, 3. Accounting for Bonus Issue, 4. Accounting for Taxes, 5A. Managerial Remuneration, 5B. Financial Statements of a Company, 6. Cash Flow Statement, 7. Profit Prior to Incorporation and Accounting for Business Acquisition, 8. Accounting for Investments, 9. Insurance Claims, 10. Accounting for Hire Purchase and Instalment Purchase, 11. Accounting for Departments, 12A. Accounting for Branches, 12B. Accounting for Foreign Branches, 13. Accounts from Incomplete Records (or Single Entry System), 14A. Dissolution of a Firm, 14B. Partnership—Insolvency, Piecemeal Distribution and Sale, 14C. Partnership—Amalgamation and Conversion, SECTION B-Accounting Standards, 1. Preface To Accounting Standards, 2. Framework for Preparation and Presentation of Financial Statements, 3. AS 1 AS 1 – Disclosure of Accounting Policies, 4. AS 2 AS 2 – Valuation of Inventories, 5. AS 3 – Cash Flow Statement, 6. AS 4 – Contingencies and Events Occurring After the Balance Sheet Date, 7. AS 5 – Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies, 8. AS 10 – Property, Plant and Equipment, 9. AS 11 – The Effects of Changes in Foreign Exchange Rates, 10. AS 12 – Accounting for Government Grants, 11. AS 13 – Accounting for Investments, 12. AS 16 – Borrowing Cost, 13. AS – AS 17 – Segment Reporting, 14. AS 22 – Accounting for Taxes on Income, Quick Revision, Section 1 - Tulsian's Fully-Solved Scanner for Accounting Standard Questions Preface to Accounting Standards Framework for Preparation and Presentation of Financial Statements, AS 1 – Disclosure of Accounting Policies, AS 2 – Valuation of Inventories, AS 3 – Cash Flow Statement, AS 4 – Contingencies and Events Occurring after the Balance Sheet Date, AS 5 – Net Profit or Loss for the Period, Prior Period Items and Changes in Accounting Policies, AS 10 – Property, Plant and Equipment, AS 11 – The Effects of Changes in Foreign Exchange Rates, AS 12 – Accounting for Government Grants, AS 13 – Accounting for Investments, AS 16 – Borrowing Cost, AS 17 – Segment Reporting, AS 22 – Accounting for Taxes on Income, Section 2 – Tulsian's Fully Solved Scanner For Theoretical Questions, Important Theoretical Questions, Section 3 – Tulsian's Fully Solved Scanner For Practical Questions, 1. Redemption of Preference Shares, 2. Redemption of Debentures, 3. Accounting for Bonus Issue, 4. Accounting for Taxes on Income, 5A. Managerial Remuneration, 5B. Financial Statements of a Company, 6. Cash Flow Statement, 7. Profit Prior to Incorporation and Accounting for Business Acquisition, 8. Accounting for Investments, 9. Insurance Claims, 10. Accounting for Hire Purchase and Instalment Purchase, 11. Accounting for Departments, 12A. Accounting for Branches, 12B. Accounting for Foreign Branches, 13. Accounts from Incomplete Records (or Single Entry System), 14A. Dissolution of a Firm, 14B. Partnership — Insolvency, Piecemeal Distribution and Sale, 14C. Partnership — Amalgamation and Conversion, SECTION 4 – Tulsian's Model Test Papers With Solutions, Tulsian's Model Test Paper 1, Tulsian's Model Test Paper 2, SECTION 5 – Ca Intermediate Examination Papers, CA Intermediate Examination Papers- Accounting (Group I)



Financial Management with Quick Revision (For Group-I), 7e

CA (Dr.) P C Tulsian & CA Bharat Tulsian

Combo Pack

About the Book

Understanding that value-based approach is critical for accounting students today, the 7th updated and revised edition of Tulsian's Financial Management for CA-IPC (Group I) strikes an effective balance between theory and application. This self-study text retains its focus on aiding students in conceptualising complex topics and is replete with illustrations and learning solutions to help them learn and understand what financial management is all about. Written in teach yourself style, this book serves as a tutor at home and is a trusted resource for financial management students of CA course.

Key Features

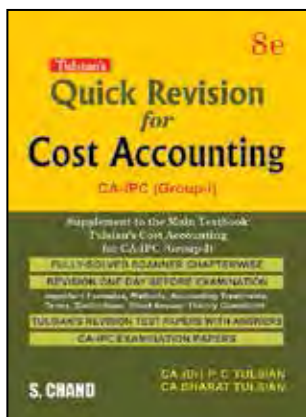
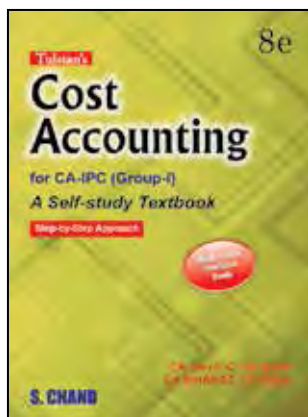
- Over 100 exhibits to acquaint students with various accounting treatment and formats

- More than 400 illustrations have been provided for better understanding of the text
- 350+ solved problems (including quick revision) along with necessary working notes and alternative solution

ISBN: 9789352531738 | Code: 1007E00491 | Price: ₹ 850 | Pages: 912+448 | Size: 6.75" X 9.5" (Paperback)

Contents

FINANCIAL MANAGEMENT (MAIN TEXTBOOK): 1. Introduction to Financial Management, 2. Time Value of Money, 3. Capital Budgeting, 4. Cost of Capital, 5. Leverage, 6. Capital Structure Theories, 7. Working Capital Management – Estimation and Financing, 8. Working Capital Management – Receivables Management, 9. Working Capital Management – Inventory Management, 10. Working Capital Management – Cash Management, 11. Sources of Finance, 12. Ratio Analysis, 13. Cash Flow Statement, 14. Funds Flow Statement, **QUICK REVISION (SUPPLEMENT):** Section-I: Fully-Solved Scanner Chapter-wise, Section-II: Scanner for CA Examination Problems, Section-III: Revision one day before Examination, Section-IV: Tulsian's Revision Test Papers with Answers, Section-V: CA-IPC Examination Papers



Cost Accounting with Quick Revision (For Group-I), 9e & 8e

CA (Dr.) P C Tulsian & CA Bharat Tulsian

Combo Pack

About the Book

This leading text has been thoroughly revised and updated to reflect the latest practices in Cost Accounting. The book comprehensively discusses all the basic concepts and processes used to determine product costs followed by practical exposition to students on how to analyse and evaluate information for cost ascertainment, planning, control and decision making. Simplistic, well-structured and abundantly illustrated, the book is an ideal text for students of CA-IPC (Group – I).

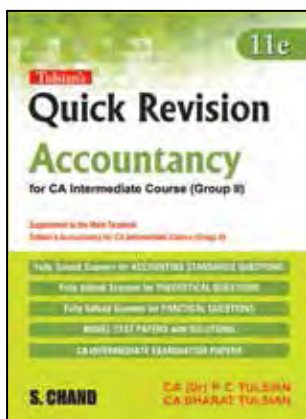
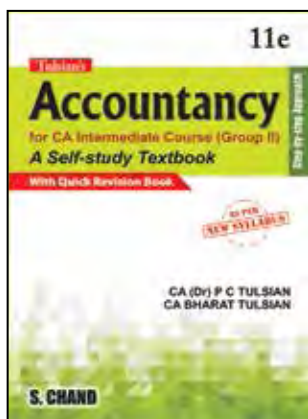
Key Features

- Over 135 exhibits to familiarise with various accounting treatments and formats
- More than 400 illustrations for effective conceptual knowledge and understanding
- Over 160 solved problems along with working notes and alternative solutions

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COST ACCOUNTING (MAIN TEXTBOOK): 1. Introduction, 2. Accounting for Material Cost, 3. Accounting for Labour Cost, 4. Accounting for Overheads, 5. Unit Costing, 6. Job, Batch and Contract Costing, 7. Process Costing–I, 8. Process Costing–II (Work-in-progress), 9. Joint Products and By Products, 10. Operating Costing (Service Costing), 11. Integral and Non-Integral Systems, 12. Reconciliation of Cost and Financial Accounts, 13. Marginal Costing, 14. Budgeting and Budgetary Control, 15. Standard Costing – Material Cost Variances, 16. Standard Costing – Labour Cost Variances, 17. Standard Costing – Overhead Variances, 18. Standard Costing – Sales Variances, 19. Standard Costing – Miscellaneous Variances, **QUICK REVISION (SUPPLEMENT):** Section-1: Fully-Solved Scanner Chapter-wise, Section-2: Revision One Day Before Examination, Section-3: Tulsian's Revision Test Papers, Section-4: CA-IPC Examination Papers



Accountancy For CA Intermediate Course (Group-II) with Quick Revision, 11e

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Combo Pack

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This new edition has been primarily designed for the students of CA Intermediate (Group II) course for the subject Advanced Accounting. It has been revised and remodelled as per the new syllabus issued by the Institute of Chartered Accountants of India. This book serves as a self-study text and provides essential guidance for understanding complex accounting principles and practices. Based on the author's proven approach 6 teach yourself style, the book is replete with numerous illustrations, exhibits and solved problems.

Key Features

- Numerous exhibits to acquaint students with various accounting treatment and formats
- Over 200 illustrations to aid understanding of the concepts
- Over 100 theoretical questions with answers and more than 350 solved problems along with working notes

ISBN: 9789352535224 | Code: 9789352535224 | Price: ₹ 795 | Pages: 920+248 | Size: 6.75" X 9.5" (Paperback)

Contents

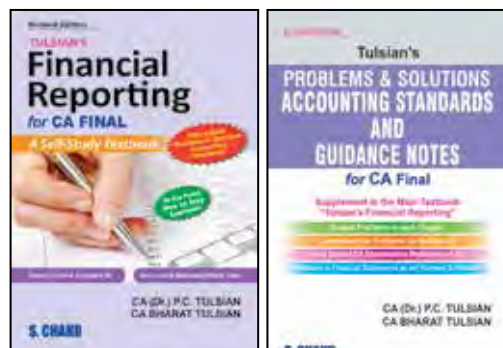
Section A – Textbook, 1. Accounting for Employee Stock Option Plan, 2. Accounting for Buy-Back of Shares, 3. Underwriting of Shares and Debentures, 4. Amalgamation of Companies, 5. Internal Reconstruction, 6. Liquidation of Companies, 7. Financial Statements of Life Insurance Companies, 8. Financial Statements

of General Insurance Companies, 9. Financial Statements of Banking Companies, 10. Non-Banking Financing Companies (NBFC), 11. Mutual Funds, 12. Valuation of Goodwill, 13. Consolidated Financial Statements [Holding Company Accounts], **Section B – Accounting Standards**, 1. AS 7 – Construction Contracts, 2. AS 9 – Revenue Recognition, 3. AS 14 – Accounting for Amalgamations, 4. AS 18 –Related Party Disclosures, 5. AS 19 – Leases, 6. AS 20 – Earnings Per Share, 7. AS 24 – Discontinuing Operations, 8. AS 26 – Intangible Assets, 9. AS 29 – Provisions, Contingent Liabilities and Contingent Assets, 10. Application of Guidance Note, **Quick Revision – Accountancy for CA Intermediate Course (GROUP II)**, **Section 1 – Tulsian's Fully-Solved Scanner For Accounting Standard Questions**, AS 7 – Construction Contracts, AS 9 – Revenue Recognition, AS 14 – Accounting for Amalgamations, AS 18 –Related Party Disclosures, AS 19 – Leases, AS 20 – Earnings Per Share, AS 24 – Discontinuing Operations, AS 26 – Intangible Assets, AS 29 – Provisions, Contingent Liabilities and Contingent Assets, **Section 2 – Tulsian's Fully Solved Scanner For Theoretical Questions, Important Theoretical Questions**, **Section 3 – Tulsian's Fully Solved Scanner For Practical Questions**, 1. Accounting for Employee Stock Option Plan, 2. Accounting for Buy-Back of Shares, 3. Underwriting of Shares and Debentures, 4. Amalgamation of Companies, 5. Internal Reconstruction, 6. Liquidation of Companies, 7. Financial Statements of Life Insurance Companies, 8. Financial Statements of General Insurance Companies, 9. Financial Statements of Banking Companies, **Section 4 – Tulsian's Model Test Papers With Solutions**, Tulsian's Model Test Paper 1, Tulsian's Model Test Paper 1, **Section 5 – CA Intermediate Examination Papers**, **CA Intermediate Examination Papers-Advanced Accountancy (Group II)**

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Financial Reporting for CA Final

CA (Dr.) P C Tulsian &
CA Bharat Tulsian



ISBN: 9788121941709

Code: 1007A00555

Price: ₹ 750 | Pages: 1,224+256

Size: 6.75" X 9.5" (Paperback)

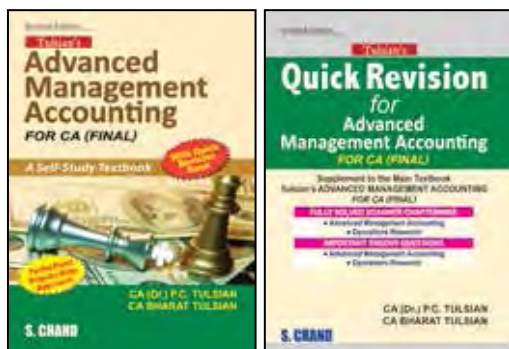
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Advanced Management Accounting, For CA Final

CA (Dr.) P C Tulsian &
CA Bharat Tulsian



ISBN: 9789384857639

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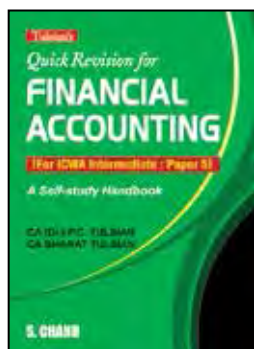
Price: ₹ 895 | Pages: 1,094+514

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Contents

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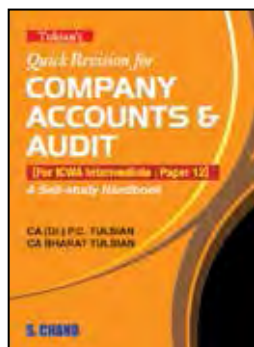
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Code: 1007000609

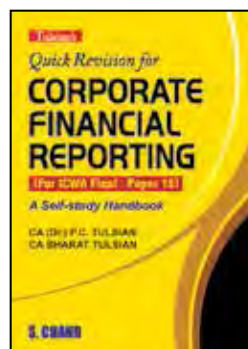
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Quick Revision for Corporate Financial Reporting (Paper 18)

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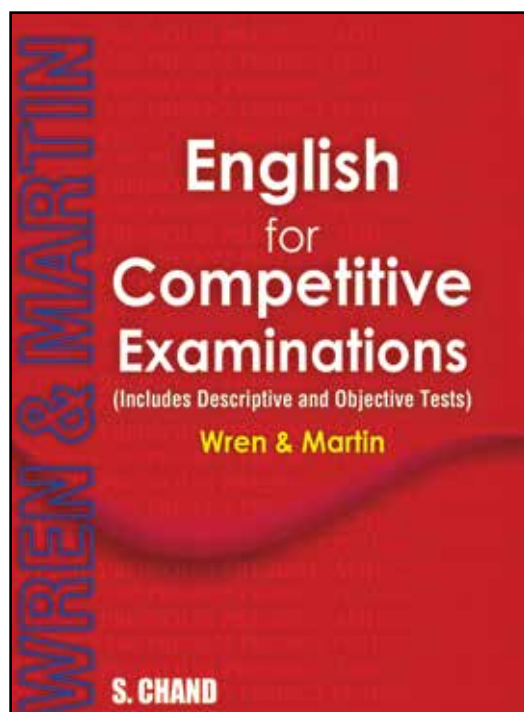
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A unique feature of this book is demonstration of the connectedness of the concepts and their applications visually, with the help of arrows and pointers. The aspirant will also find questions from recent examinations on virtually every page of the book. An index of examination-wise questions has been included so that the aspirant can choose the sections according to the targeted examination and focus more. Topic-wise distribution of questions in English examination papers – both descriptive and objective – will also help aspirants to undertake a very well-directed test-prep program using the book.

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| 3. The Phrase and The Clause | 14. Articles | 27. The Verb: Person and Number |
| 4. Parts of Speech | 15. Personal Pronouns | 28. The Infinitive |
| 5. The Noun: Kinds of Nouns | 16. Reflexive and Emphatic Pronouns | 29. The Participle |
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| 8. The Noun: Case | 19. Interrogative Pronouns ¹ | 32. Auxiliaries and Modals |
| 9. The Adjective | 20. The Verb: Transitive and Intransitive Verbs | 33. Conjugation of The Verb Love |
| 10. Comparison of Adjectives | 21. Verbs of Incomplete Predication | 34. The Adverb |
| 11. Adjectives Used As Nouns | 22. Active and Passive Voice | |
| | 23. Mood | |
| | 24. Tenses: Introduction | |

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36. Formation of Adverbs

37. Position of Adverbs

38. The Preposition

39. Words Followed By Prepositions

40. The Conjunction

41. Some Conjunctions and Their Uses

42. The Interjection

43. The Same Word Used As Different Parts of Speech

Book 2 Composition

44. Agreement of The Verb with The Subject

45. Nouns and Pronouns

46. Adjectives

47. Verbs

48. Adverbs

49. Conjunctions

50. Order of Words

51. Punctuation

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- Q-Bank 1: Grammar (Do As Directed Questions)
- Q-Bank 2: Sentence Correction
- Objective Tests
- Q-Bank 1: Error Identification
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SECTION II: TEST OF VOCABULARY

52. Word List

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- Objective Tests
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- Q-Bank 4: Test of Synonyms
- Q-Bank 5: Cloze Test

- Q-Bank 6: One Word Substitution Test

- Q-Bank 7: Sentence Completion Test

SECTION III: IDIOMS AND PHRASES

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- Q-Bank 4: Idioms and Phrases Test
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- Objective Tests
- Q-Bank 9: Rearrangement of Jumbled Words in a Sentence Test
- Q-Bank 10: Rearrangement of Sentences in a Paragraph Test

SECTION V: ANALYSIS AND TRANSFORMATION OF SENTENCES (INCLUDING ACTIVE AND PASSIVE VOICE)

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70. The Sequence of Tenses

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Workbooks

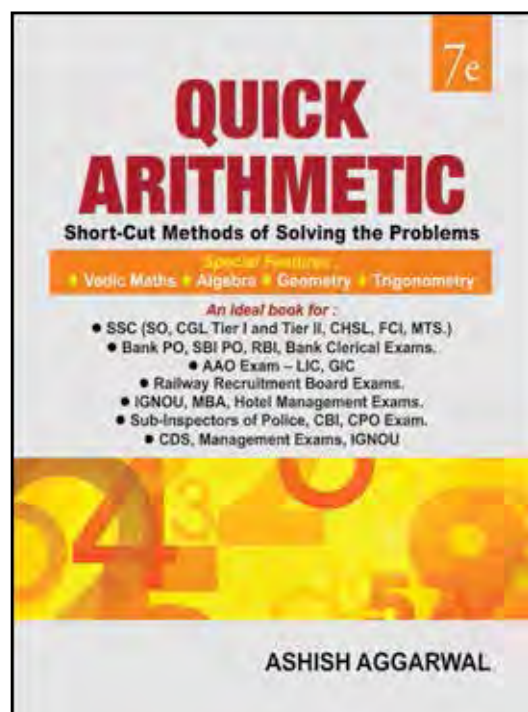
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- Objective Tests
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- Descriptive Tests
- Q-Bank 8: Précis Writing Test
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QUICK ARITHMETIC, 7/e

Ashish Aggarwal

About the Book

The book is designed for all the students who are preparing for competitive examinations conducted by SSC, RRB, Banks, LIC/GIC and IGNOU. This edition of Quick Arithmetic has been thoroughly revised and enlarged explain the short-cut methods for solving sums in a faster way. It covers basic terms and short-cut methods along with all the major topics such as Ratio and Proportion, Percentage, Profit and Loss, and Mensuration. The book strictly covers the syllabus of various examinations.

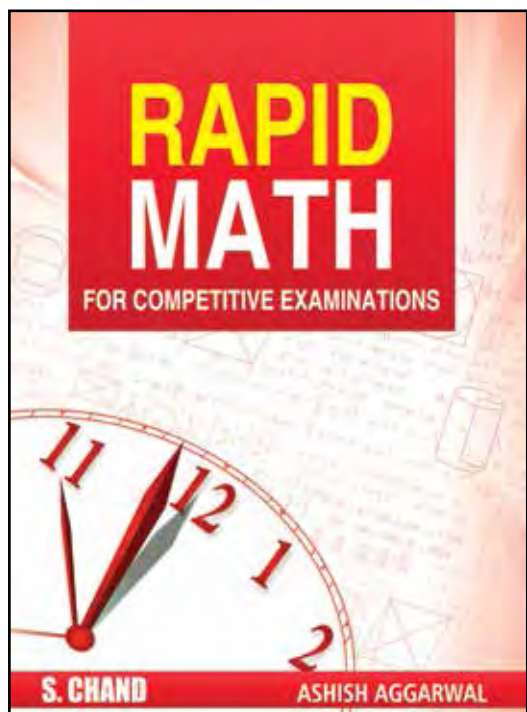
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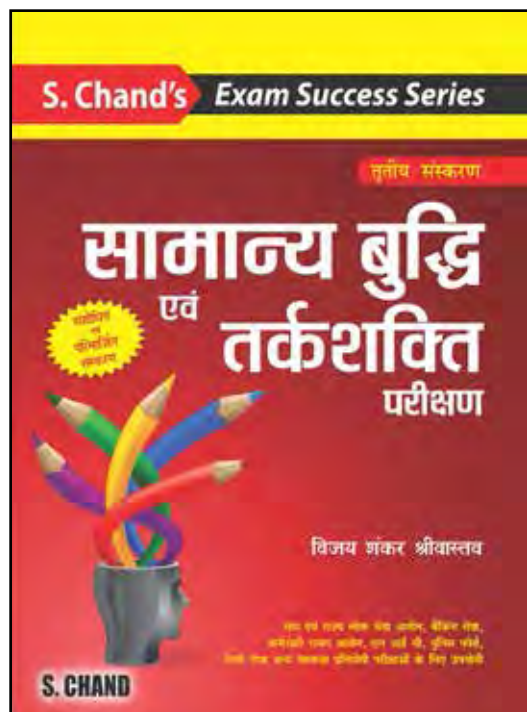
The text will be useful for aspirants appearing for the following exams:

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सामान्य बुद्धि एवं तर्कशक्ति परीक्षण, 3e

तृतीय संस्करण

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

प्रस्तुत पुस्तक 'सामान्य बुद्धि एवं तर्कशक्ति परीक्षण' विभिन्न प्रतियोगी परीक्षाओं में पूछे गये प्रश्नों के अतिसूक्ष्म विश्लेषण पर तैयार की गयी है। इस पुस्तक में तथ्यों को इस प्रकार से संयोजित किया गया है ताकि विद्यार्थी को एक ही स्थान पर सभी संबंधित जानकारियां प्राप्त हो जाए और कठिन से कठिन प्रश्नों को यथाशीघ्र हल कर सकें। पुस्तक की भाषा बहुत ही सरल, बोधगम्य एवं रोचक है ताकि आप तथ्यों को अपने मन मस्तिष्क पर हमेशा याद रख सकें।

CSAT, State-PCS, UPSSSC, UKSSSC, SSC-CGL, SSC 10+2 Level, RRB-CBT Grade & Non-Grad, IBPS-PO, SO, Clerk, SBI-PO, SO, Clerk, LIC-AAO, ADO, Assistant, GIC-AAO, ADO Assistant, Management Trainee (MT), Constable, B.Ed., Police Force आदि प्रतियोगी परीक्षाओं के लिए उपयोगी पुस्तक।

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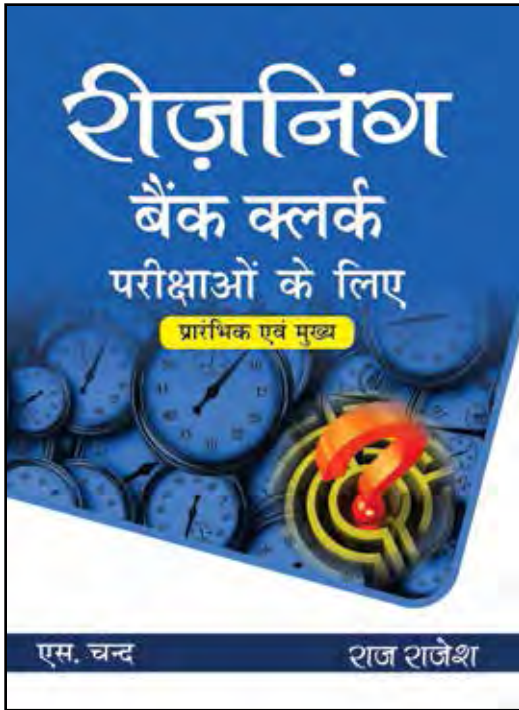
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रीज़निंग बैंक क्लर्क परीक्षाओं के लिए प्रारंभिक एवं मुख्य

राज राजेश

पुस्तक के विषय में

सभ्यता, संस्कृति, ज्ञान-विज्ञान में विकास के साथ तर्क-पद्धति भी लगातार विकसित होती गई है और उसके विविध रूप भी हैं। इस तरह तर्क एक प्रक्रिया है जिससे कम समय और अपेक्षाकृत कम कोशिशों से हम समाधान पर पहुँच पाते हैं। यह हमें सवालों और समस्याओं के समाधान की आसान प्रक्रिया मुहैया कराती है। इस पुस्तक में तर्क पद्धति के सैद्धांतिक एवं व्यावहारिक पहलुओं की विस्तृत जानकारी है और पुस्तक की खासियत यह है कि इसके प्रत्येक अध्याय में विभिन्न स्तर के सवाल दिए गए हैं और प्रत्येक सवाल को हल करने का उचित तरीका भी दिया गया है। एस बी आई क्लर्क, आई बी पी एस क्लर्क, आर बी आई असिस्टेंट एवं आर आर बी क्लर्क ग्रेड की परीक्षाओं के लिए इस पुस्तक की उपयोगिता बेजोड़ है। यह पुस्तक तमाम प्रतियोगी परीक्षाओं को ध्यान में रखकर बनाई गई है, ताकि सभी के लिए उपयोगी हो सके। इसमें क्लर्क ग्रेड की इन परीक्षाओं में विगत तीन-चार वर्षों में पूछे गए प्रश्न और उनके आधार पर बनाए गए मॉडल सेट्स भी दिए गए हैं। इसमें कुल इक्कीस अध्याय हैं जो विभिन्न प्रतियोगी परीक्षाएँ उत्तीर्ण करने में तो सहायक होंगी ही, आपके विचारों और सोच-समझ को विकसित करने में भी मददगार होंगी।

प्रमुख विशेषताएँ

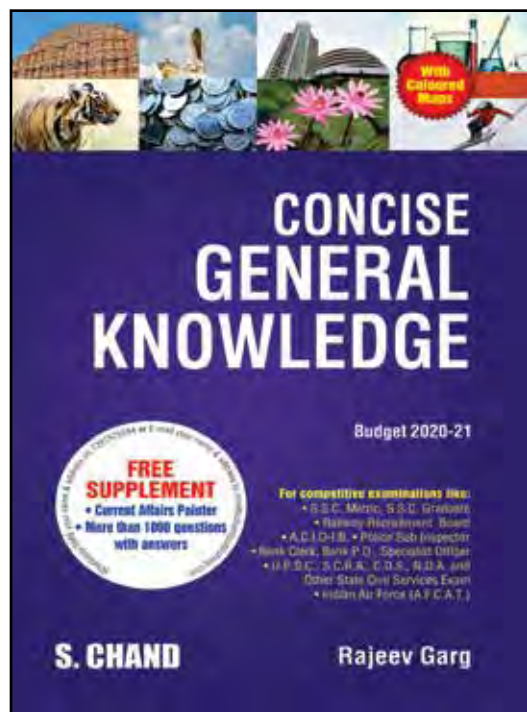
- बैंक क्लर्क की विभिन्न परीक्षाओं के नए पैटर्न पर मॉडल सेट्स का समावेश
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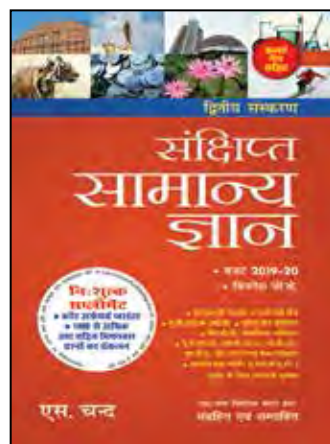
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संक्षिप्त सामान्य ज्ञान द्वितीय संस्करण

एस. चंद एक्सपर्ट्स

पुस्तक के विषय में

प्रस्तुत पुस्तक विभिन्न प्रतियोगी परीक्षाओं के नवीनतम ट्रेंड और पैटर्न के आधार पर तैयार की गयी है। इस पुस्तक में परम्परागत सामान्य ज्ञान के सभी विषयों को संक्षिप्त और सारगर्भित रूप में प्रस्तुत किया गया है इस पुस्तक की भाषा शैली सरल और रोचक है। यह पुस्तक एनसीईआरटी के वर्तमान पैटर्न पर आधारित है।

इस पुस्तक के सभी खण्डों को एस.एस.सी. स्नातक, रेलवे भर्ती बोर्ड, आईबीपीएस, यूपीएससी एससीआरए, राज्य लोक सेवा आयोग आदि जैसी परीक्षाओं में पूछे जा रहे प्रश्नों को ध्यान में रखकर तैयार किया गया है। यह पुस्तक उपरोक्त परीक्षाओं की तैयारी कर रहे अभ्यर्थियों के लिए उपयोगी है।

प्रमुख विशेषताएँ

- नवीनतम ट्रेंड और पैटर्न पर आधारित
- प्रतियोगी परीक्षाओं हेतु उपयोगी अद्यतन अध्ययन सामग्री
- पुस्तक के सभी खण्डों में तथ्यों का सारणीबद्ध संकलन
- अध्ययन सामग्री का 'टू कलर' में प्रस्तुतिकरण तथा कलर्ड मैप का उपयोग
- ऑनलाइन अध्ययन सामग्री: करंट इवेंट्स प्वाइंटर और 1000 से अधिक विषयवार प्रश्नों का संकलन
- नवीनतम बजट (2019-20) का संकलन

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विषय-सूची

1. इतिहास: प्रभाग-1: विश्व का इतिहास, प्रभाग-2: भारत का इतिहास (प्राचीन भारत, मध्यकालीन भारत, आधुनिक भारत), 2. भारत का संविधान एवं राजव्यवस्था,
3. भूगोल: प्रभाग-1: विश्व का भूगोल, प्रभाग-2: भारत का भूगोल, 4. अर्थव्यवस्था, 5. सामान्य विज्ञान: प्रभाग-1: भौतिक विज्ञान, प्रभाग-2: रसायन विज्ञान, प्रभाग-3: जीव विज्ञान, प्रभाग-4: विज्ञान एवं प्रौद्योगिकी, प्रभाग-5: कम्प्यूटर विज्ञान, 6. विविध: प्रभाग-1: विश्व का सामान्य ज्ञान, प्रभाग-2: भारत का सामान्य ज्ञान, 7. खेल जगत, 8. अनुलग्नक: • बजट 2019-20: • प्रमुख तथ्य



सामान्य ज्ञान: एस.एस.सी. एवं रेलवे परीक्षाओं के लिए

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

यह पुस्तक विशेष रूप से एस.एस.सी. द्वारा आयोजित (मैट्रिक स्तर, (10+2) स्तर स्नातक स्तर), आर.आर.बी. एवं आर.आर.सी. द्वारा आयोजित (मैट्रिक स्तर, (10+2) स्तर स्नातक स्तर), तकनीकी, ग्रुप-डी, आर.पी.एफ. तथा आयोगों व बोर्डों द्वारा आयोजित प्रतियोगी परीक्षाओं के लिए विकसित की गई है। इस पुस्तक के प्रत्येक भाग को अद्यतन किए जाने के साथ-साथ अधिक परीक्षापयोगी बनाने का प्रयास किया गया है। सामान्य ज्ञान के सभी खण्डों में सारगर्भित स्टडी नोट्स को भी शामिल किया गया है, जो अभ्यर्थियों के विषय सम्बन्धी ज्ञानवर्धन में सहायक है। इस पुस्तक में विगत वर्षों में पूछे गए एवं अन्य स्मार्ट प्रश्नों का संकलन हिंदी और अंग्रेजी दोनों भाषाओं में किया गया है, जिससे यह दोनों भाषाओं में तैयारी कर रहे अभ्यर्थियों के लिए समान रूप से उपयोगी है। इन स्मार्ट प्रश्नों का संकलन एस.एस.सी. और रेलवे परीक्षाओं के नवीनतम पाठ्यक्रम पर आधारित है।

प्रमुख विशेषताएँ

- नवीनतम पाठ्यक्रम पर आधारित
- विगत वर्षों में पूछे गए प्रश्नों का संकलन हिंदी और अंग्रेजी दोनों भाषाओं में
- स्मार्ट प्रश्नों का समावेश
- सारगर्भित स्टडी नोट्स शामिल

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विषय-सूची

1. विश्व का भूगोल, 2. भारत का भूगोल, 3. विश्व का इतिहास, 4. भारत का इतिहास, 5. भारतीय राजव्यवस्था, 6. भारतीय अर्थव्यवस्था, 7. भौतिक विज्ञान, 8. रसायन विज्ञान, 9. जीव विज्ञान, 10. कम्प्यूटर विज्ञान, 11. परम्परागत सामान्य ज्ञान, 12. पुरस्कार एवं सम्मान, 13. खेलकूद, 14. लोगों एवं सलोगन • प्रश्नावली • उत्तर



वस्तुनिष्ठ सामान्य ज्ञान प्रतियोगी परीक्षाओं के लिए

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

प्रस्तुत पुस्तक वस्तुनिष्ठ सामान्य ज्ञान विभिन्न ऑनलाइन एवं ऑफलाइन प्रतियोगिता परीक्षाओं में सामान्य ज्ञान एवं सामान्य अध्ययन से पूछे गए प्रश्नों के आधार पर तैयार की गयी है। इस पुस्तक को अधिक से अधिक लाभप्रद एवं परीक्षापयोगी बनाने के लिए प्रश्नों का संकलन विषयवार एवं अध्यायवार किया गया है ताकि परीक्षार्थियों को प्रतियोगिता परीक्षाओं की तैयारी में कोई कठिनाई नहीं हो। इस पुस्तक में परीक्षा के नवीनतम पैटर्न के आधार पर 50 प्रैक्टिस सेट्स को शामिल किया गया है जिससे अभ्यर्थी प्रश्नों के हल करने की युक्तियों एवं उनके विभिन्न चरणों को समझ सकें।

प्रमुख विशेषताएँ

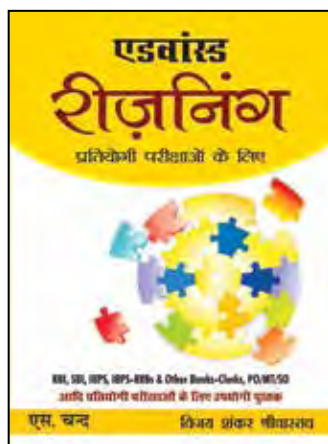
- नवीनतम पैटर्न पर आधारित
- उदाहरण एवं प्रश्नावली के प्रश्न हल सहित
- अभ्यास के लिए 50 प्रैक्टिस सेट्स शामिल
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विषय-सूची

1. भारतीय इतिहास: • प्राचीन इतिहास • मध्यकालीन इतिहास • आधुनिक इतिहास, 2. भूगोल: • विश्व का भूगोल • भारत का भूगोल, 3. भारतीय राजव्यवस्था, 4. अर्थव्यवस्था, 5. सामान्य विज्ञान: • भौतिक विज्ञान • रसायन विज्ञान • जीव विज्ञान, 6. परंपरागत सामान्य ज्ञान, 7. प्रैक्टिस सेट्स

विजय शंकर श्रीवास्तव एक शिक्षाविद और रीजनिंग एवं गणित में प्रसिद्ध व्यक्तित्व हैं। वर्तमान में, वह अनुसंधान, लेखन एवं शिक्षण तथा सक्रिय रूप से कई सामाजिक संस्थानों से जुड़े हुए हैं।



एडवांस्ड रीज़निंग प्रतियोगी परीक्षाओं के लिए

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

यह पुस्तक बैंकिंग परीक्षा के अभ्यर्थियों के लिए विशेष रूप से तैयार की गई है। परीक्षाओं की नवीनतम पद्धति पर आधारित यह पुस्तक अभ्यर्थियों के लिए अति-उपयोगी है। इस पुस्तक में विविध प्रकार के प्रतियोगी परीक्षाओं में पूछे गए प्रश्नों का अध्यायवार संकलन किया गया है जिससे कि अभ्यर्थियों को परीक्षा-प्रश्नों की प्रवृत्ति एवं प्रकृति से अवगत कराया जा सके।

प्रमुख विशेषताएँ

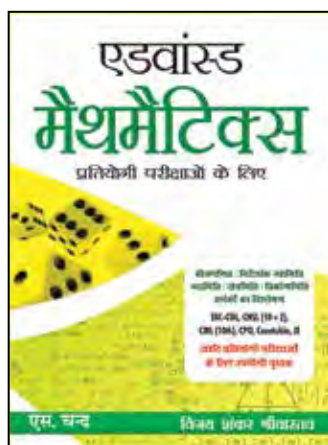
- नवीनतम पैटर्न पर आधारित
- उदाहरण एवं प्रश्नावली के प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- प्रश्नों को शीघ्र हल करने हेतु सुपर फ़ास्ट ट्रिक्स सम्मिलित
- पिछले सालों के प्रश्न शामिल

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विषय-सूची

1. पहेली, 2. बैठकी व्यवस्थिकरण, 3. श्रेणी, 4. अनुक्रमिक परिक्षण, 5. रिश्ते, 6. दिशा और दूरी, 7. न्याय निगमन, 8. समानता एवं असमानता, 9. कथन एवं निष्कर्ष, 10. कथन एवं पुर्वधारणाएँ, 11. कथन एवं कार्यवाहियाँ, 12. कथन एवं तर्क, 13. कारण एवं परिणाम, 14. परिच्छेद एवं निष्कर्ष, 15. अंग्रेजी वर्णमाला, 16. कूटलेखन एवं कूटवाचन, 17. सादृश्यता, 18. श्रृंखला, 19. वर्गीकरण, 20. कैलेण्डर, 21. औपबन्धिक संख्या, अक्षर एवं प्रतीक, 22. गणितीय सँक्रियाएँ, 23. निवेश एवं निर्गम, 24. आँकड़ा निर्णयन, 25. आँकड़ों की पर्याप्तता, 26. सुम्भी रेखा

विजय शंकर श्रीवास्तव एक शिक्षाविद और रीजनिंग एवं गणित में प्रसिद्ध व्यक्तित्व हैं। वर्तमान में, वह अनुसंधान, लेखन एवं शिक्षण तथा सक्रिय रूप से कई सामाजिक संस्थानों से जुड़े हुए हैं।



एडवांस्ड मैथमैटिक्स प्रतियोगी परीक्षाओं के लिए

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

प्रस्तुत पुस्तक का सृजन कर्मचारी चयन आयोग (एस.एस.सी.) द्वारा आयोजित ऑनलाइन तथा ऑफलाइन परीक्षाओं के पाठ्यक्रमों के अनुसार किया गया है। इस पुस्तक में उन सभी अध्यायों को सम्मिलित किया गया है, जिनसे परीक्षा में बहुतायत में प्रश्न पूछे जाते हैं। प्रत्येक अध्याय में उदाहरण एवं प्रश्नावली के प्रश्न हल सहित दिए गए हैं, जिससे अभ्यर्थियों प्रश्नों को हल करने की युक्तियों एवं उसके विभिन्न चरणों को समझ सकें। एस.एस.सी. परीक्षाओं में पूछे गए प्रश्नों के विवरण परीक्षार्थियों से पुछकर उनकी स्मृति के आधार पर एवं बाजार में उपलब्ध विभिन्न प्रकार की मैगजीनों से दिये गये हैं।

प्रमुख विशेषताएँ

- नवीनतम पैटर्न पर आधारित
- उदाहरण एवं प्रश्नावली के प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- पिछले सालों के प्रश्न प्रत्र शामिल

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विषय-सूची

1. बीजगणित, 2. ज्यामिति, 3. निर्देशांक ज्यामिति, 4. छेत्रमिति, 5. त्रिकोणमिति, 6. समकों का विश्लेषण

विजय शंकर श्रीवास्तव एक शिक्षाविद और रीजनिंग एवं गणित में प्रसिद्ध व्यक्तित्व हैं। वर्तमान में, वह अनुसंधान, लेखन एवं शिक्षण तथा सक्रिय रूप से कई सामाजिक संस्थानों से जुड़े हुए हैं।



वस्तुनिष्ठ गणित प्रतियोगी परीक्षाओं के लिए

विजय शंकर श्रीवास्तव

पुस्तक के विषय में

प्रस्तुत पुस्तक का सृजन विभिन्न आयोगों एवं बोर्डों द्वारा आयोजित प्रतियोगी परीक्षाओं के पाठ्यक्रमों के अनुसार किया गया है। भारत में शिक्षा एवं मूल्यांकन पद्धतियों में आयी अदभुत क्रान्ति ने अभ्यर्थियों की योग्यता की जाँच के स्तर में आशातीत परिवर्तन किया है जिसके चलते प्रतियोगी परीक्षाओं में विषम एवं जटिल प्रश्नों का समावेश किया जाने लगा है। प्रस्तुत पुस्तक में ऐसे ही प्रश्नों को समाहित किया गया है। जिसके अभ्यास से अभ्यर्थियों के बौद्धिक स्तर को ऊँचा उठाया जा सके। प्रत्येक अध्याय में उदाहरण एवं प्रश्नावली के प्रश्न हल सहित दिए गए हैं जिससे अभ्यर्थी प्रश्नों के हल करने की युक्तियों एवं उनके विभिन्न चरणों को समझ सकें।

प्रमुख विशेषताएँ

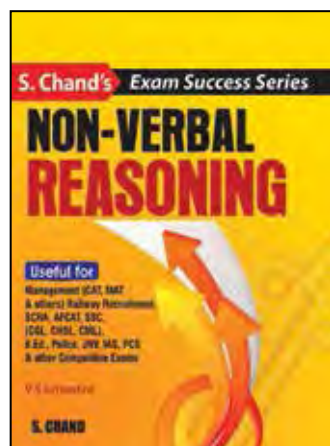
- नवीनतम पैटर्न पर आधारित
- उदाहरण एवं प्रश्नावली के प्रश्न हल सहित
- अभ्यास के लिए पर्याप्त प्रश्न
- पिछले सालों के प्रश्न प्रश्न शामिल

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विषय-सूची

1. गणितः एक परिचय, 2. संख्याओं पर सँक्रियाएँ, 3. लघुतम समापवर्त्य तथा महत्तम समापवर्तक, 4. साधारण भिन्न, 5. दशमलव भिन्न, 6. वर्गमूल तथा घनमूल, 7. घातांक तथा करणी, 8. सरलीकरण, 9. औसत, 10. अनुपात एवं समानुपात, 11. समानुपाती विभाजन, 12. मिश्रण, 13. साझेदारी, 14. समय और काम, 15. नल एवं टँकी, 16. समय और दूरी, 17. रेलगाड़ी, 18. धारा एवं नाव, 19. दौड़, 20. प्रतिशतता, 21. लाभ तथा हानि, 22. बट्या, 23. साधारण व्याज, 24. चक्रवृद्धि व्याज, 25. संख्याओं पर आधारित प्रश्न, 26. समंको की व्याख्या, 27. समंको की पर्याप्तता, 28. संख्या श्रंखला, 29. लघुगणक, 30. क्षेत्रफल एवं परिमाप, 31. पृष्ठिय क्षेत्रफल एवं आयतन, 32. बीजगणित, 33. ज्यामिति, 34. त्रिकोणमिति

विजय शंकर श्रीवास्तव एक शिक्षाविद और रीजनिंग एवं गणित में प्रसिद्ध व्यक्तित्व हैं। वर्तमान में, वह अनुसंधान, लेखन एवं शिक्षण तथा सक्रिय रूप से कई सामाजिक संस्थानों से जुड़े हुए हैं।



Non-Verbal Reasoning

Vijay Shankar Srivastava

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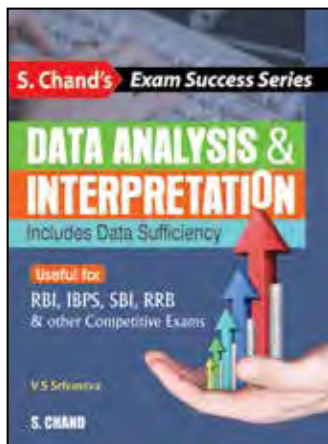
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- Lays down new techniques to solve the problems swiftly.
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Vijay Shankar Srivastava is an educationist and known personality in reasoning and math. Currently, he is into research, writing and teaching and actively associated with many social institutions.



Data Analysis & Interpretation

Vijay Shankar Srivastava

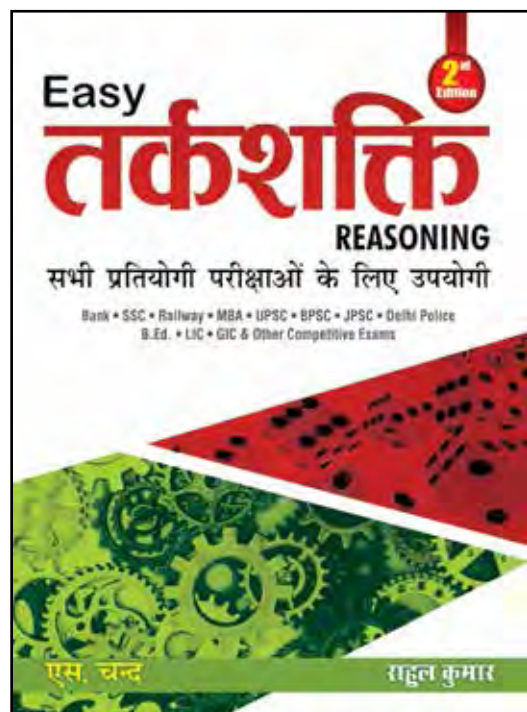
About the Book

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- The book provides comprehensive concept-building illustrated with several examples in each chapter.
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‘Easy तर्कशक्ति’ पुस्तक पूर्ण रूप से नवीनतम पाठ्यक्रम पर आधारित है। वर्तमान में तर्कशक्ति से सम्बंधित प्रश्नों का महत्व बैंक, एसएससी, रेलवे, एयरफोर्स, बीपीएससी, मैनेजमेंट, बीएड आदि जैसी प्रतियोगी परीक्षाओं में बढ़ता जा रहा है। इस पुस्तक को विगत 15 वर्षों के विभिन्न प्रतियोगी परीक्षाओं में पूछे जाने वाले प्रश्नों को ध्यान में रखकर तैयार किया गया है।

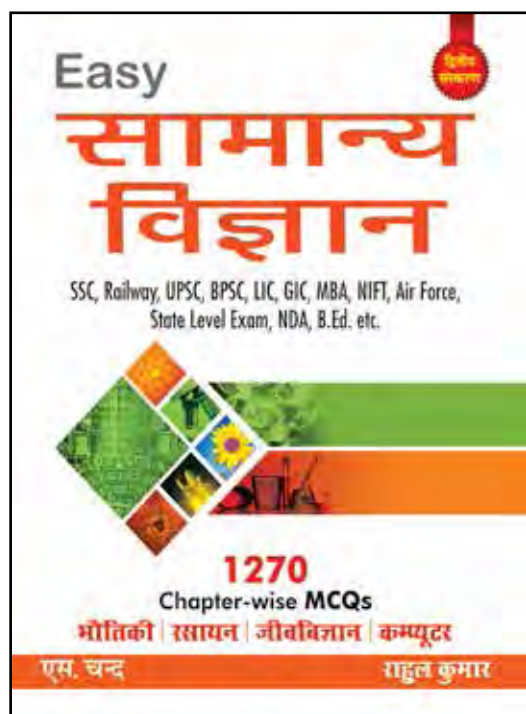
प्रस्तुत पुस्तक की तीन खण्डों क्रमशः A, B और C में विभाजित किया गया है। पुस्तक के सभी खण्डों में विषयवार सम्बंधित अध्यायों में नियमों, उपनियमों एवं अपवादों को सरल भाषा में प्रस्तुत किया गया है। जिसे विद्यार्थी बिना किसी सहयोग के भी समझ सकते हैं। परीक्षा के नवीनतम ट्रेंड के अनुसार पुस्तक के सभी खण्डों में कठिन प्रश्नों का भी समावेशन किया गया है, जो इसे किताबों से विशेष बनाता है। प्रस्तुत पुस्तक प्रतियोगी परीक्षाओं की तैयारी कर रहे अभ्यर्थियों को परिज्ञान, अभ्यास और प्रखरता अर्जन का अद्भुत अवसर उपलब्ध कराती है।

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राहुल कुमार की प्रारंभिक शिक्षा उनके गांव बालीपाँकड़ में हुई तथा उच्च शिक्षा पटना में हुई। प्रारंभिक शिक्षा के दिनों से ही उन्होंने अपने व्यंग्य, वाद-विवाद और लेखन कला से सभी को प्रभावित किया। अपनी रुचि के अनुरूप उन्होंने शिक्षण कार्य को चुना और पिछले 18 वर्षों से शिक्षण-कार्य कर रहे हैं। वे अपनी प्रभावी शिक्षण कला के कारण छात्रों के बीच 'राहुल सर' के नाम से लोकप्रिय हैं। लेखक ने 'Easy तर्कशक्ति' पुस्तक में अपनी विशिष्ट लेखन कला का परिचय दिया है जिससे प्रतियोगी परीक्षा की तैयारी कर रहे अभ्यर्थी निश्चित ही लाभान्वित होंगे



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प्रस्तुत पुस्तक में संकलित तथ्य, सूचनाएँ एवं आँकड़े प्रतियोगी परीक्षार्थियों की आवश्यकतानुसार रखा गया है। यह प्रतियोगी परीक्षाओं को ध्यान में रखते हुए इसे काफी सरल एवं क्रमानुसार संयोजित करने की कोशिश की गई है। यह पुस्तक एक परीक्षण के रूप में है तथा यह प्रतियोगी परीक्षाओं में सम्मिलित होने वाले सभी पाठकों को समर्पित की जा रही है।

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विषय-सूची

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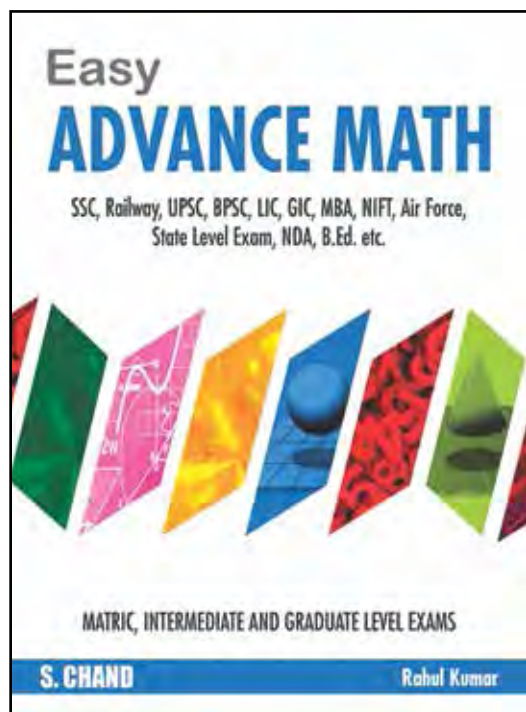
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राहुल कुमार की प्रारंभिक शिक्षा उनके गांव बालीपाँकड़ में हुई तथा उच्च शिक्षा पटना में हुई। प्रारंभिक शिक्षा के दिनों से ही उन्होंने अपने व्यंग्य, वाद-विवाद और लेखन कला से सभी को प्रभावित किया। अपनी रुचि के अनुरूप उन्होंने शिक्षण कार्य को चुना और पिछले 18 वर्षों से शिक्षण-कार्य कर रहे हैं। वे अपनी प्रभावी शिक्षण कला के कारण छात्रों के बीच 'राहुल सर' के नाम से लोकप्रिय हैं। लेखक ने 'Easy तर्कशक्ति' पुस्तक में अपनी विशिष्ट लेखन कला का परिचय दिया है जिससे प्रतियोगी परीक्षा की तैयारी कर रहे अभ्यर्थी निश्चित ही लाभान्वित होंगे।



Easy Advance Math

Rahul Kumar



पुस्तक के विषय में

यह पुस्तक कमजोर छात्रों के लिए अधिक उपयोगी होगी क्योंकि इसमें प्रश्नों का संग्रह Set type के रूप में किया गया है, जिससे विद्यार्थियों को एक प्रकार के सभी प्रश्न एक ही जगह मिलेंगे जिससे उन्हें अभ्यास करने में आसानी होगी। इस पुस्तक के द्वारा खुद से (Self Study) पढ़ाई कर सकते हैं क्योंकि प्रत्येक सेट के पहले बनाने की विधि का वर्णन तथा उस पर उदाहरण दिए गए हैं।

निम्न प्रतियोगी परीक्षाओं हेतु उपयोगी:

SSC : Combined Graduate Level (CGL), Lower Divisional Clerk (LDC), Food Corporation of India (FCI), Multi Tasking Staff (MTS), IB, CPO, CRPF, CPF, CBI etc.

RAILWAY : ASM, Goods Guards, CA, TA, Loco Pilot, ECRC, CC, TC, RPF etc.

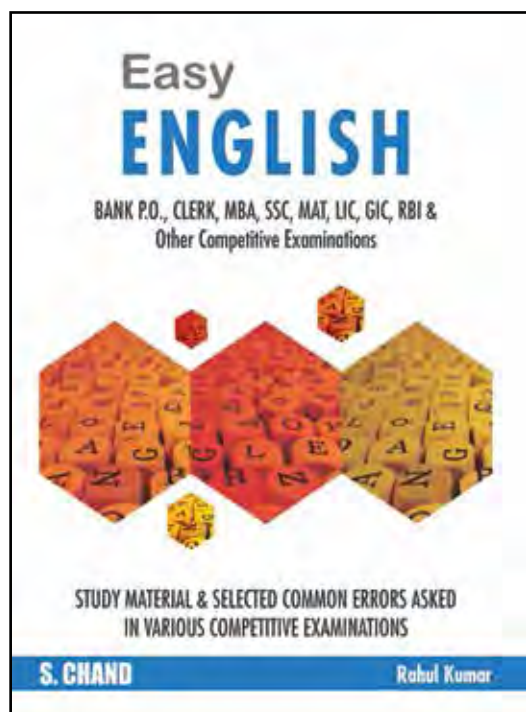
OTHERS : UPSC, BPSC, LIC, GIC, MBA, NIFT, Air Force, State Level Exam, Delhi Police, NDA, B.Ed. etc.

ISBN: 9789353388904 | Code: 9789353388904 | Price: ₹ 270 | Pages: 312 | Size: 8.25" X 10.5" (Paperback)

विषय-सूची

- | | |
|-------------------|--------------------|
| 1. बीजगणित | 5. बहुभुज |
| 2. त्रिकोणमिति | 6. क्षेत्रमिति |
| 3. ऊँचाई एवं दूरी | 7. श्रेढी |
| 4. ज्यामिति | 8. नियामक ज्यामिति |

राहुल कुमार की प्रारंभिक शिक्षा उनके गांव बालीपाँकड़ में हुई तथा उच्च शिक्षा पटना में हुई। प्रारंभिक शिक्षा के दिनों से ही उन्होंने अपने व्यंग्य, वाद-विवाद और लेखन कला से सभी को प्रभावित किया। अपनी रुचि के अनुरूप उन्होंने शिक्षण कार्य को चुना और पिछले 18 वर्षों से शिक्षण-कार्य कर रहे हैं। वे अपनी प्रभावी शिक्षण कला के कारण छात्रों के बीच 'राहुल सर' के नाम से लोकप्रिय हैं। लेखक ने 'Easy तर्कशक्ति' पुस्तक में अपनी विशिष्ट लेखन कला का परिचय दिया है जिससे प्रतियोगी परीक्षा की तैयारी कर रहे अभ्यर्थी निश्चित ही लाभान्वित होंगे।



Easy English

Rahul Kumar

New

पुस्तक के विषय में

यह पुस्तक Easy English विभिन्न प्रतियोगी परीक्षाओं में अंग्रेजी से पूछे गए प्रश्नों के आधार पर अध्यायवार तैयार की गई है। इसमें तथ्यों का संकलन अभ्यर्थियों के लिए बहुत ही उपयोगी है। इसे अत्यधिक लाभप्रद एवं उपयोगी बनाने के लिए प्रत्येक अध्याय में अधिक-से-अधिक विषयवस्तु एवं जानकारी का समावेश परीक्षास्थितियों के मद्देनजर की गई है। Pronoun को दो भागों में लिखा गया है। Pronoun Introduction एवं Use of Pronoun ऐसे कई सारे Test, Exam-Set एवं Exercise इस पुस्तक में Concept के साथ-साथ Practice पर भी पूरा ध्यान दिया गया है क्योंकि More than Practice, must be perfect.

यह पुस्तक इसलिए खास महत्व रखता है कि इसमें Practice Test, Exercise Question-set नाम से कई Practice दिए गए हैं जिसका Explanation भी खास है जो विद्यार्थियों के लिए Exam में महत्वपूर्ण भूमिका निभाएगा।

Useful for below Competition Examinations

SSC : Combined Graduate Level (CGL), Lower Divisional Clerk (LDC), Food Corporation of India (FCI), Multi Tasking Staff (MTS), IB, CPO, CRPF, CPF, CBI etc.

RAILWAY : ASM, Goods Guards, CA, TA, Loco Pilot, ECRC, CC, TC, RPF etc.

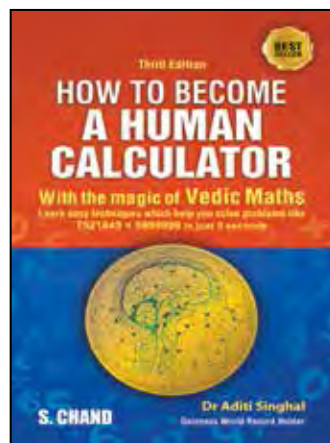
OTHERS : UPSC, BPSC, LIC, GIC, MBA, NIFT, Air Force, State Level Exam, Delhi Police, NDA, B.Ed. etc.

ISBN: 9789353388911 | Code: 9789353388911 | Price: ₹ 295 | Pages: 356 | Size: 8.25" X 10.5" (Paperback)

विषय-सूची

1. Syntax	4. Degrees Of Adjectives	• Voice	• Wrongly Spelt
2. Noun	5. Preposition	10. Cloze Test	14. Adverb
• Case	• Phrasal Verbs	11. Mood	15. Conjunctions
• Gender	6. Uses Of Pronoun	• Sentences Arrangement	16. Narration
• Number	7. Articles	12. Tense	17. Phrase
3. Adjective	8. Comprehension	13. Participle	18. Single Word Substitution
• Pronoun Introduction	• Antonym-Synonym	• Gerunds	19. Model Test
• Relative Pronoun	9. Verbs	• Infinitive	

राहुल कुमार की प्रारंभिक शिक्षा उनके गांव बालीपाँकड़ में हुई तथा उच्च शिक्षा पटना में हुई। प्रारंभिक शिक्षा के दिनों से ही उन्होंने अपने व्यंग्य, वाद-विवाद और लेखन कला से सभी को प्रभावित किया। अपनी रुचि के अनुरूप उन्होंने शिक्षण कार्य को चुना और पिछले 18 वर्षों से शिक्षण-कार्य कर रहे हैं। वे अपनी प्रभावी शिक्षण कला के कारण छात्रों के बीच 'राहुल सर' के नाम से लोकप्रिय हैं। लेखक ने 'Easy तर्कशक्ति' पुस्तक में अपनी विशिष्ट लेखन कला का परिचय दिया है जिससे प्रतियोगी परीक्षा की तैयारी कर रहे अभ्यर्थी निश्चित ही लाभान्वित होंगे।



How to Become a Human Calculator?, 3e

Dr. Aditi Singhal

About the Book

This book is designed to present the techniques to solve problems like 7521645×9999999 in simpler language for School students, teachers, and professionals and a must for those appearing for competitive exams like UPSC, MBA, MCA, GMAT, GRE, CSAT, etc. This book also explains the techniques of Vedic Maths in simple language with enough step-by-step solved examples at each point and with sufficient practice exercises given after each technique. Also added consolidated test papers at the end of the book.

Key Features

- Step-by- step approach towards mathematical calculations • Simple and easy language to facilitate understanding
- Important points highlighted by use of different colours and tabular presentation • General guidelines after each technique
- More than 500 solved examples to make concepts very clear • Exhaustive exercises for each topic
- Consolidated test papers at the end for easy revision • Special chapter for applications of Vedic Maths in school syllabus and competitive exams

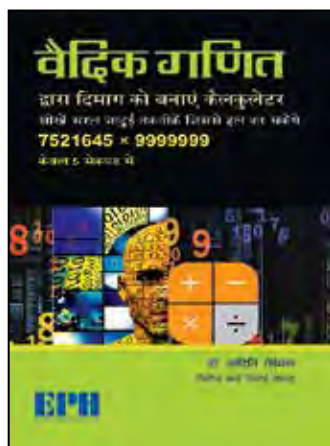
2 Colour
Edition

ISBN: 9789352836543 | Code: 9789352836543 | Price: ₹ 299 | Pages: 324 | Size: 5.5" X 8.5" (Paperback)

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• Foreword v, • Preface to the Third Edition vii, • Preface – Can I Become a Human Calculator? viii, • Acknowledgement xii, • Praises xiii, • Why should I Calculate Mentally When I have a Calculator? xv, • What is Vedic Mathematics? xix, Chapters Pages, **PART I – ARITHMETIC**, 0. Vedic Math-E-Magic, 1. Two Basic Concepts of Vedic Mathematics, 2. Multiplications with 99999.... in less than 5 seconds, 3. Magic with 11, 4. Multiplying by 12 (without using 12), 5. Subtraction at One Look, 6. Checking Your Answers (removing silly mistakes), 7. Multiplication of Numbers Near the Bases, 8. Multiplication by 5, 25, 50, 250, 500.... 9. Vertical and Crosswise Multiplication, 10. Interesting Squares, 11. Finding Squares in One Line, 12. Fractions, 13. Division, 14. Long Division in One Line (the crowning glory), 15. Square Roots in One Line, 16. Cube Roots at a Glance, 17. Cubes, 18. Magic Division, 19. Check Divisibility by Prime Number, 20. 500 Years Calendar, 21. Finding HCF and LCM, 22. Creating a Pythagorean Triplet, 23. Dodging Times Tables Up To 99, **PART II – ALGEBRA**, 24. Algebraic Multiplication, 25. Factorizing Quadratic Expressions, 26. Linear Equations in One Variable, 27. Linear Equations (special types), 28. Simultaneous Linear Equations, 29. Some More Tricks for Competitive Exams, 30. Application of Vedic Maths in Competitive Exams, Speed Enhancement Test Papers, • Vedic Maths Sutras and Sub-Sutras, • Vedic Maths Sutras (with their applications), • Answers, • Testimonials, • Author's Profile

Aditi Singhal, founder of Dynamic Minds Group, is an International Memory Trainer, Author, Motivational Speaker, Counsellor and Vedic Maths expert par excellence. She has to her credit Guinness World Record for teaching Largest Maths Lesson and 3 records in The Limca Book of Records for memory & fastest calculation. She has also been awarded "The Best Memory Trainer" by the India Book of Records.



वैदिक गणित

डा. अदिति सिंघल

पुस्तक के विषय में

यह पुस्तक स्कूल विद्यार्थियों, अध्यापकों एवं विभिन्न प्रतियोगी परीक्षा जैसे नैचर डटाए डबाए छडाए छट्प् बैज् आदि में उपस्थित होने वाले परीक्षार्थियों के लिए अति लाभदायक है। “इस पुस्तक को पढ़ने के बाद 5378942639 ७ 8120594263 जैसा विभाजन करना, 99975 का वर्ग निकालना, 704969 का घनमूल निकालना या 500 वज्रों में से किसी भी तिथि के दिन की गणना करना आपके लिए एक खेल के समान होगा।”

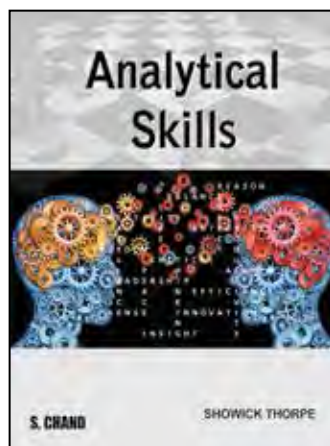
प्रमुख विशेषताएँ

- गणितीय गणनाओं की ओर चरण-दर-चरण बढ़ना • तकनीकों को ठीक प्रकार से समझने के लिए सरल और आसान भाषा
- विभिन्न रंगों के प्रयोग और तालिका से प्रस्तुतीकरण द्वारा रेखांकित किए गए महत्वपूर्ण बिंदु • प्रत्येक तकनीक के बाद सामान्य दिशानिर्देश • अवधारणाओं को बहुत स्पष्ट करने के लिए हल किए गए 500 से अधिक उदाहरण • प्रत्येक शीर्षक के लिए विस्तृत अभ्यास • सरल पुनरावृत्ति के लिए पुस्तक के अंत में समेकित परीक्षा पत्र • विद्यालय के पाठ्यक्रम और प्रतियोगी परीक्षाओं में वैदिक गणित के अनुप्रयोग हेतु विशेष अध्याय

ISBN: 9789352530656 | Code: 1014000712 | Price: ₹ 340 | Pages: 288 | Size: 5.5" X 8.5" (Paperback)

विषय-सूची

भाग-1: अंकगणित: 0. वैदिक गणित का जादू, 1. वैदिक गणित की दो आधारभूत अवधारणाएँ, 2. 99999... के साथ गुणन (5 सैकंड से भी कम समय में), 3. 11 का जादू, 4. 12 से गुणन (12 का प्रयोग किए बिना), 5. व्यवकलन (घटना)-एक नजर में, 6. उत्तरों को जाँचना (मूर्खतापूर्ण गलतियों को दूर करना), 7. आधार संख्याओं के निकट संख्याओं का गुणन, 8. 5, 25, 50, 250, 500, द्वारा गुणन (मात्रा अवलोकन द्वारा), 9. ऊर्ध्व तथा तिर्यक गुणन, 10. रोचक वर्ग, 11. एक पंक्ति में वर्ग ज्ञात करना, 12. भिन्न, 13. विभाजन, 14. एक पंक्ति में लम्बा विभाजन (सम्पूर्ण गौरव), 15. एक पंक्ति में वर्गमूल, 16. धनमूल-एक नजर में, 17. धन, 18. जादुई विभाजन, 19. अभाज्य संख्या द्वारा विभाजनीयता की जाँच, 20. 500 वर्षीय कलेंडर, भाग-2: बीजगणित: 21. बीजगणितीय गुणन, 22. द्विघातीय व्यंजको के गुणनखंड, 23. एक घर वाले रेखीय समीकरण, 24. रेखीय समीकरण (विशेष प्रकार), 25. समकालीन रेखीय समीकरण, 26. प्रतियोगी परीक्षाओं में वैदिक गणित का अनुप्रयोग • परीक्षा-पत्र • उत्तरमाला • प्रमाण • लेखिका की सक्षिप्त जीवनी



Analytical Skills

Showick Thorpe

About the Book

The textbook is specifically written for the students of Degree Programme, the book extensively covers topics like Data Analysis, Sequence & Series, Arithmetic Ability, Date, Time & Arrangement Problems, Quantitative Aptitude & Business Computations. The book emphasis on to increase & improve analytical skills of students. The book also includes bulk number of Interview questions asked during Real Interviews.

Key Features

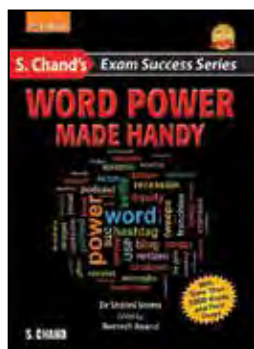
- Comprehensive coverage of all types of Analytical Skills
- Includes Bulk examples of Interview questions
- All Categories of questions provided in the exercises in a balanced way
- Complete solutions to problems in all exercises
- Simple and Lucid language used in all explanations

ISBN: 9789352832453 | Code: 10HE000081 | Price: ₹ 199 | Pages: 264 | Book Size: 8.25" X 10.5" (Paperback)

Contents

1. Data Interpretation, 2. Verbal Analogy Test, 3. Odd Man Out and Series Completion, 4. Algebra and its Application, 5. Simplification, 6. Decimals and Fractions, 7. Number System, 8. HCF and LCM, 9. Clocks and Calendars, 10. Blood Relation and Family Test, 11. Averages, 12. Ration and Proportions, 13. Problem on Age, 14. Time, Distance and Speed, 15. Profit and Loss, 16. Partnership, 17. Simple Interest, 18. Simple Compound Interest, 19. Interview Questions with Suggested Answer

Showick Thorpe is a national expert on competitive examinations in India. He owns THORPES®, a quality-based knowledge-content brand, and manages it through his company V&S Thorpes Education. He has authored more than 100 books in English, Hindi and Bangla languages, catering to various competitive examinations and career development.



Word Power Made Handy, 2e

Dr. Shalini Verma & Reetesh Anand

ISBN: 9789385676215

Code: 1006000231

Price: ₹ 400 | Pages: 472

Size: 6.75" X 9.5" (Paperback)

About the Book

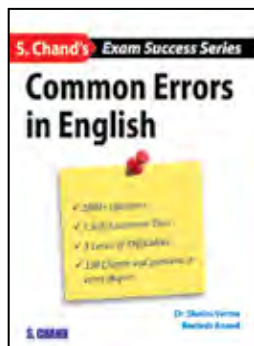
The revision comes 10 years after the first edition and completely overhauls the text not only in terms of look and feel but also content which is now contemporary while also being timeless. A large number of words are explained with the help of examples and their lineage which helps the reader understand their individual usage and the ways to use them on the correct occasion.

Key Features

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- Pre-chapter information on "How to Use this Book" and "Word Formation"
- Seven dedicated chapters on confusing words and phrases

Contents

Part-I: Domain Specific Words, Part-II: Some Confusing Words and Phrases in English Language, Part-III: More than 3500 High Frequency Words



Common Errors in English

Shalini Verma & Reetesh Anand

ISBN: 9789385676208

Code: 1006000230

Price: ₹ 275 | Pages: 432

Size: 8.5" X 11" (Paperback)

About the Book

A rapid-learning text on English, the book is written so that we avoid all pitfalls of the language.

Key Features

- 1500 Chapter-end questions divided equally among 10 chapters with varying levels of difficulty, i.e. Low-Medium-High
- 5 Self-Assessment Tests - 500 practice questions with explanatory answers

Contents

Part-I: Common Errors in English: an Introduction, 1. Parts of Speech (Part-I), 2. Parts of Speech (Part-II), 3. Determiners, Quantifiers and Articles, 4. Tenses, 5. Syntax, 6. Idiomatic Expressions and Phrasal Verbs, 7. Some Confusing Words and Phrases, 8. Spelling Rules, 9. Punctuation and Capitalization, 10. Miscellaneous Errors in English Usage, Part-II: Self-Assessment Tests

Shalini Verma is PhD in Communications and Diploma in Training and Development, she has Masters Degrees in four areas — English Literature, Communications & Journalism, Human Rights and Business Administration. At present, she holds the position of Associate Professor & Area Chairperson— Business Communication, at Jaipuria Institute of Management, Noida.



Top Phrases

G N Verma

ISBN: 9789352531943

Code: 1011001314

Price: ₹ 350 | Pages: 656

Size: 6.75" X 9.5" (Paperback)

About the Book

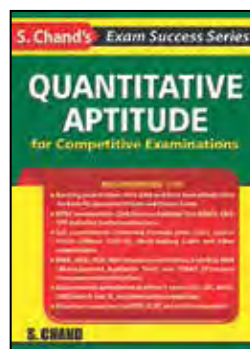
The book is divided into 7 parts to acutely display the practical usage of Tenses, Verbs and Phrases. For all aspirants of examinations which include English in the syllabus including but not limited to MBA (CAT), CDS, NDA, Banking, SSC, Railways, Hotel Management, NIFT Entrance and various Civil Services.

Key Features

- Translation method used for easier understanding
- 3500+ Verbs' tabulated in three forms (in English and Hindi)
- 2500+ Phrases' meanings in English and Hindi followed with examples in both languages
- Close to 650 Idiomatic and Phrasal verbs' meanings in English and Hindi followed with examples in both languages
- More than 250 nouns and verbs which are followed by prepositions explained
- All Tenses explained in detail

Contents

1. Tenses (Present Tense, Past Tense & Future Tense), 2. Three Forms of Main Verbs, 3. Idiomatic and Phrasal Verb, 4. Phrases, 5. Some Nouns Followed by Preposition, 6. Particular Adjectives Followed by Preposition, 7. Particular Verbs Followed by Particular Preposition



Quantitative Aptitude for Competitive Examinations

S. Chand Experts

ISBN: 9789325994164

Code: 2006000011

Price: ₹ 599 | Pages: 1,112

Size: 6.75" X 9.5" (Paperback)

About the Book

Quantitative Aptitude for Competitive Examinations is an excellent book for those who want to master their skill in numerical ability, and accuracy in mathematical calculations. It is comprehensive in coverage, and contains effective pedagogical and assessment tools. It provides a brief introduction to topics with some quick reference definitions and

formulae, followed by hands-on Worked-Out Examples.

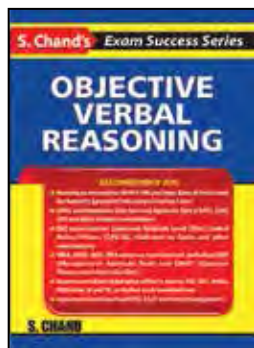
The book has been compiled after a close scrutiny of previous years' papers of various competitive examinations, and the feedback received from candidates. It is divided into two blocks: Block one topics are aligned more towards the 'conceptual understanding' of Quantitative Aptitude or Mathematical Ability, and Block two topics are aligned more towards the 'conceptual application' of the basic aspects.

Key Features

- Fully solved questions and alternative solving methods for selective questions
- Step-by-step solutions for better understanding
- More than 5,200 multiple-choice questions for practice, divided into three parts: (i) Worked-Out Examples, (ii) Practice Problems, and (iii) Previous Years' Originals/Questions

Contents

Unit-1: Number System and Basic Numeracy: 1. Number System, 2. HCF and LCM, 3. Decimals and Fractions, 4. Simplification, 5. Powers and Roots, 6. Average, 7. Percentage, 8. Odd Man Out and Series Completion, 9. Logarithms, 10. Surds and Indices, **Unit-2: Basic Arithmetic:** 11. Profit and Loss, 12. Ratio and Proportion, 13. Mixtures and Alligations, 14. Partnership, **Unit-3: Problem Solving:** 15. Chain Rule, 16. Time and Work, Time and Wages, 17. Time and Distance, 18. Pipes and Cisterns, 19. Trains Boats and Streams, 20. Races and Games, 21. Clocks and Calendars, **Unit-4: Commercial Mathematics:** 22. Simple Interest, 23. Compound Interest, Annuities, Depreciation and Population, 24. True Discount, 25. Banker's Discount, 26. Stocks and Shares, **Unit-5: Geometry and Mensuration:** 27. Geometry, 28. Mensuration – Area and Volume, **Unit-6: Algebra and Higher Mathematics:** 29. Algebra and its Application, 30. Statistics, 31. Set Theory, 32. Progressions (AP and GP), 33. Permutation and Combination, 34. Probability, 35. Basic Trigonometry, 36. Heights and Distances, **Unit-7: Data Based Mathematics:** 37. Data Interpretation, 38. Data Sufficiency, 39. Data Analysis: Passage Based Problems, 40. Quantitative Comparison



Objective Verbal Reasoning

S. Chand Experts

ISBN: 9789325994140

Code: 2006000010

Price: ₹ 450 | Pages: 768

Size: 6.75" X 9.5" (Paperback)

About the Book

Reasoning as a subject has been growing in significance across competitive examinations in India. This is the only assessment area where conventional question types are evolving inclusively and new types of questions are emerging. Students are always on the lookout for resources that provide them a balanced approach to study the ever-growing types of reasoning questions, as well as give them ample practice material to hone their skills while preparing for success. This objective reasoning series, structured in three books—Objective Verbal Reasoning, Objective Non-Verbal Reasoning, and Objective Logical Reasoning—is an attempt to provide the candidates a resource to attain conceptual clarity needed to comprehend reasoning questions in a simple way and solve the questions accurately.

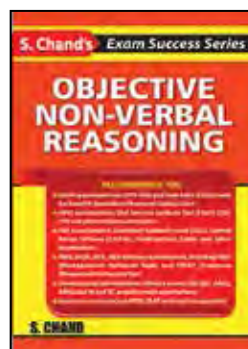
Key Features

- Comprehensive coverage of all types of verbal reasoning questions
- All categories of questions provided in the exercises in a balanced way
- Complete solutions to problems in all exercises

- Simple and lucid language used in all explanations
- Solutions diagrammatically explained, wherever necessary, for easy grasp of nuances of certain types of questions

Contents

Part-1: Intelligence, Part-2: Conventional Verbal Reasoning Types Questions, Part-3: Word Logic Based Verbal Reasoning Questions, Part-4: Numerical and Sequential Logic Based Questions, Part-5: Codes and Sequence Tracing Based Questions, Part-6: Situation and Relation Based Questions, Part-7: Data-Based Reasoning Questions, Part-8: Mock Tests, Part-9: Questions from Original



Objective Non-Verbal Reasoning

S. Chand Experts

ISBN: 9789325993570

Code: 2006000009

Price: ₹ 300 | Pages: 432

Size: 6.75" X 9.5" (Paperback)

About the Book

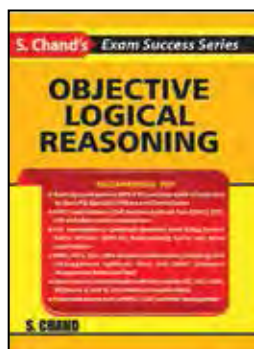
Reasoning, as a subject, has been growing in significance across competitive examinations in India. This is the only assessment area where you will find conventional question types evolving inclusively, as well as new types of questions emerging. Students are always on the lookout for resources that provide them with a balanced approach to study the ever-growing types of reasoning questions, as well as give them ample practice material to hone their skills while preparing for success. This Objective Reasoning series, structured in three books—Objective Verbal Reasoning; Objective Non-Verbal Reasoning; and Objective Logical Reasoning—is an attempt to provide the candidates a resource to attain conceptual clarity needed to comprehend reasoning questions in a simple way and solve the questions accurately.

Key Features

- Balanced approach in providing practice exercises of each type of conventional non-verbal reasoning questions—classification, analogies and series completion.
- Illustrations and worked out examples provided for different types of questions generally asked in the competitive examinations for conventional non-verbal reasoning questions.
- Well-developed explanations to the solutions, wherever necessary.
- Bulk exercises provided for exhaustive practice in solving all three types of conventional nonverbal reasoning questions.
- A compendium of some novel and uncommon types of non-verbal questions provided under 'Miscellaneous' category.
- Expressive diagrammatic solutions for the novel types of questions, wherever possible.
- Bulk of problems provided relate to question-types frequently asked in major exams.

Contents

1. Classification Test, 2. Series Completion Test, 3. Analogy Test, 4. Miscellaneous



Objective Logical Reasoning

S. Chand Experts

ISBN: 9789325995482

Code: 2006000008

Price: ₹ 240 | Pages: 376

Size: 6.75" X 9.5" (Paperback)

About the Book

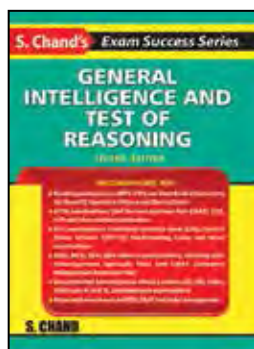
Reasoning, as a subject, has been growing in significance across competitive examinations in India. This is the only assessment area where you will find conventional question types evolving inclusively, as well as new types of questions are emerging. Students are always on the lookout for resources that provide them with a balanced approach to study the ever growing types of reasoning questions, as well as give them ample practice material to hone their skills while preparing for success. This Objective Reasoning series, structured in three books—Objective Verbal Reasoning; Objective Non-Verbal Reasoning; and Objective Logical Reasoning—is an attempt to provide the candidates a resource to attain conceptual clarity needed to comprehend reasoning questions in a simple way and solve the questions accurately.

Key Features

- Balanced approach in providing practice exercises for both branches of Logical Reasoning—Critical Reasoning and Analytical Reasoning
- Illustrations and worked out examples provided for different types of questions generally asked in the competitive examinations
- Well-developed explanations to the solutions, wherever necessary
- Exhaustive exercises provided for hands-on practice of analytical reasoning sets
- A compendium of exercises available on important types of critical reasoning question

Contents

Part-1: Analytical Reasoning Tests: 1. Introduction to Analytical Reasoning Questions, Part-2: Critical Reasoning Tests, 2. Introduction to Critical Reasoning Questions, 3. Statement—Assumption Types, 4. Statement—Arguments Types, 5. Statement—Course of Action Types, 6. Truthfulness of the Statement Types, 7. Statement—Conclusion Types, 8. Statement—Conclusion (with Signs and Symbols)



General Intelligence and Test of Reasoning, 2e

S. Chand Experts

ISBN: 9789325994157

Code: 2006000007

Price: ₹ 750 | Pages: 1,312

Size: 6.75" X 9.5" (Paperback)

About the Book

General Intelligence and Test of Reasoning owes its existence to comprehensive research and strategic planning. A thorough coverage of the reasoning section of various competitive examinations has been achieved after an in-depth research and proper analysis of original papers of the UPSC, SSC, banking services, B-school tests and tests by other central and state-level recruitment bodies.

A unique aspect of this book is the approach it adopts in explaining the concepts of verbal analysis, non-verbal analysis, critical reasoning and data interpretation. Each chapter starts with a brief introduction to the various formats of questions asked in competitive examinations, followed by topic-specific tests, which provide numerous multiple-choice questions that involve students in an interactive way to improve their accuracy level.

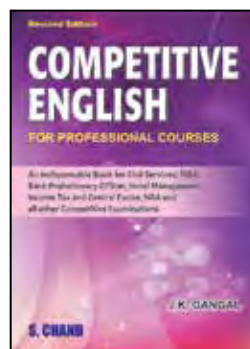
The last chapter provides scientifically structured and exam-oriented test papers to familiarize candidates with current trends and types of questions. These test papers and self-scoring tables will help students assess their own level of preparation.

Key Features

- Comprehensive coverage of all reasoning topics
- Inclusive practice material in the form of end-of-chapter exercises
- Practical tips for solving almost all types of problems
- Questions based on the changing scenario of competitive examinations
- Specially developed cloned MCQs from various important question papers

Contents

Part-1: Non-Verbal Intelligence Tests: 1. Series Completion Test, 2. Analogy Test, 3. Classification Test, 4. Miscellaneous, Part-2: Verbal Intelligence Tests: 5. Verbal Analogy Test, 6. Verbal Series Completion Test, 7. Verbal Classification Test, 8. Word Formation Test, 9. Jumbled Words Test, 10. Logical Diagram Questions, 11. Number, Rank and Order Test, 12. Rank and Sequence Test, 13. Mathematical Operators Test, 14. Arithmetical Reasoning Test, 15. Coding/Decoding Test, 16. Step-wise Input/Output Test, 17. Direction Test, 18. Blood Relation and Family Test, Part-3: Critical Reasoning Tests: 19. Introduction to Critical Reasoning Questions, 20. Statement—Conclusion Types, 21. Statement – Conclusion (with Signs and Symbols) Types, 22. Statement—Assumption Types, 23. Statement—Arguments Types, 24. Statement—Course of Action Types, 25. Truthfulness of the Statement Types, Part-4: Analytical Reasoning Tests: 26. Introduction to Analytical Reasoning Questions, Part-5: Data-Based Reasoning Tests: 27. Introduction to Data Sufficiency Questions, 28. Introduction to Data Interpretation Questions, 29. Introduction to Quantitative Comparison Questions, Part-6: Test Papers



Competitive English (For Professional Courses)

J K Gangal

ISBN: 9788121929349

Code: 1006A00159

Price: ₹ 295 | Pages: 408

Size: 6.75" X 9.5" (Paperback)

About the Book

The book *Competitive English for Professional Course* is a complete reference and practice material for the students who is desirous of improving her /his ability to read and write English language effectively and creatively. This book provides substantial help in all such areas in English Language a candidate needs to prepare for civil services and other equivalent competition examinations. This book helps the students in mastering various verbal skills and acquiring rich vocabulary which is the soul of effective communication.

Key Features

- Helping its users acquire good reading skills by developing their verbal abilities.
- Enabling them to write grammatically correct English- English which is usage-wise correct and acceptable to the native speakers in the 21st century.
- Highlighting all types of errors, frequently committed in writing by non- native speakers of English
- The book not only highlights these errors but also gives their correct forms, followed

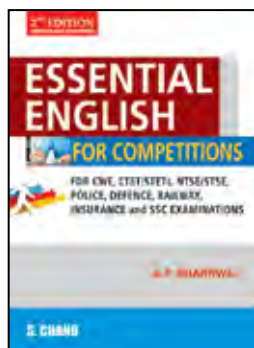
by the relevant grammatical rules in support to help its users avoid recurrence of those errors.

- The book, as the readers will find, is an excellent digest of English Grammar doing away with the need for studying a separate English grammar book on their part. It is like two-in-one on the subject. Each unit under this section of the book begins with the concept formation on the unit subject, followed by the most common errors committed by people in that area, along with their correct versions and necessary notes on the rules governing those corrections.
- At the end of each unit some exercises in the form of activities have also been given (along with the key) for practice, and to enable the users to check on their progress on their own.

Contents

Section-A: Developing Verbal Skills (Vocabulary), Section-B: Developing Reading Skills, Section-C: Grammar and Usage, Section-D: Detecting Usage Errors (Common Errors & How to avoid them), Section-E: Developing Writing Skills, Section-F: Group Discussion & Personal Interview, Section-G: Effective Communication, Section-H: Final Encounter with Examination

J K Gangal, MA., M.Ed., Splt in TESL (UK) ELT Specialist & Director, Centre for Creativity and Human Resource Development, Delhi.



Essential English for Competitions, 2e

A P Bhardwaj

ISBN: 9788121935203

Code: 1006A00175

Price: ₹ 350 | Pages: 780

Size: 6.75" X 9.5" (Paperback)

About the Book

This book is the gist of epistemology which any English language learner need to learn, understand, grasp and imbue. It is useful for IAS, PCS, HCS, HAS, RAS & CAT, MAT, SAT, CLAT, PO, AAO, NDA, CDS, GRE, IELTS, TOEFEL examinations.

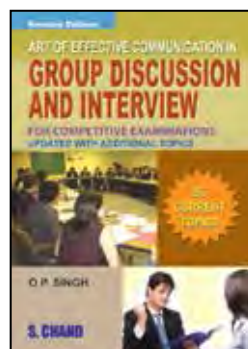
Key Features

- Having gone through this book, in one entry, one gets acquainted with more than 50 words.
- The MCQs have been incorporated alphabetically arranged which enables the readers to check their level of competence after every alphabet.

Contents

Section-A: The Thrill of Vocabulary Building: 1. Words-Meaning, Usage, Synonyms, Antonyms, **Section-B: The Test of Vocabulary:** 2. Synonyms MCQs with Answers, 3. Antonyms MCQs with Answers, 4. Idioms and Phrases & MCQs with Answers, 5. One Word Substitution & MCQs with Answers, 6. Spelling of Words with Rules, 7. A Rendezvous with the Specific Words, **Section-C: The Elements of Grammar:** 8. Parts of Speech, 9. Tenses, 10. Voice, 11. Change of Narration, 12. Use of Determiners, 13. Modals, 14. Use of Non - Finites

A P Bhardwaj, Director, 'Innovations' (An Institute of Advance Learning), Chandigarh.



Art of Effective Communication in Group Discussion and Interview 2e

O P Singh

ISBN: 9788121940740

Code: 1011A01199

Price: ₹ 250 | Pages: 284

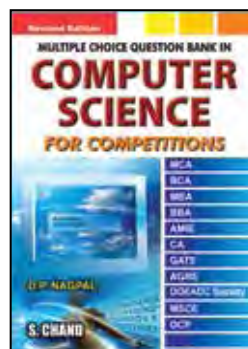
Size: 6.75" X 9.5" (Paperback)

About the Book

The book would sharpen and enhance your competitive edge, making you 'Winners' in your chosen field. The book aims to augment your ability to effectively communicate your ideas, that include the right body language, problem solving, analytical and interpersonal skills, which are essential in today's highly competitive environment.

Contents

Section-I: Group Discussion: 1. Modes of Communication, 2. Power of Speech, 3. Non-Verbal Communication or Body Language, 4. Assemblance of Group Discussion, 5. Topics for Group Discussion (Economic, Social, Political, Current and Creative), **Section-II: Personal Interview:** 1. Covering Letters with Sample Letter, 2. Resume or Curriculum Vitae, 3. Personal Interview, 4. Mock Interview with Self Appraisal, **Section-III: General Resources:** 1. Economic Terms in Common Use, 2. Quotable Quotations, 3. Motivational and Inspiring Stories, **Section-IV: Additional Topics** (Economic, Social, Political, Current and Creative) • *Economic Terms in common Use*



Multiple Choice Question Bank in Computer Science for Competitions

D P Nagpal

ISBN: 9788121925488

Code: 1020A00085

Price: ₹ 375 | Pages: 816

Size: 6.75" X 9.5" (Paperback)

About the Book

This book is the gist of epistemology which any English language learner need to learn, understand, grasp and imbue. It is useful for IAS, PCS, HCS, HAS, RAS & CAT, MAT, SAT, CLAT, PO, AAO, NDA, CDS, GRE, IELTS, TOEFEL examinations.

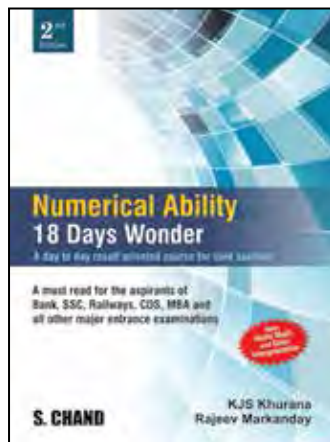
Key Features

- Having gone through this book, in one entry, one gets acquainted with more than 50 words.
- The MCQs have been incorporated alphabetically arranged which enables the readers to check their level of competence after every alphabet.

Contents

1. Fundamentals of Computers, 2. Networking Essentials, 3. System Analysis and Design, 4. Management Information Systems, 5. Database Systems, 6. Operating Systems Concepts, 7. Electronic Principles, 8. Digital Computer Electronics, 9. Pascal Plus Data Structures and Computer Algorithm, 10. Automata Theory and Languages, 11. Discrete Structures, 12. Data Structures & Object-Oriented Programming Using C++, 13. Computer Hardware, 14. Unix, Xenix and Linux, 15. FORTRAN Programming, 16. COBOL Programming, 17. BASIC Programming, 18. Disk Operating System and Windows, 19. Windows NT and 2000 Server, 20. ORACLE 7.8 and 9, 21. Microsoft SQL

Server, 22. Microsoft Office 2000, 23. Language Processors, 24. Artificial Intelligence, 25. Automation System & Graphics • Appendix-A: Glossary



Numerical Ability 18 Days Wonder, 2e

K J S Khurana & R Markanday

About the Book

A thoroughly revised text, *Numerical Ability 18 Days Wonder* has its foundation in a day to day approach to tackle various concepts. Lucid language which is coupled with detailing of concepts makes this book easy to follow for aspirants of all major examinations.

Key Features

- New chapters on Vedic Mathematics and Data Interpretation
- Each concepts is explained in detail and examples and chapter-wise practice questions provided strengthen the concepts explained
- "Text Yourself" segment carries 650+ questions which add to conviction of the aspirants as they provide rigorous revision

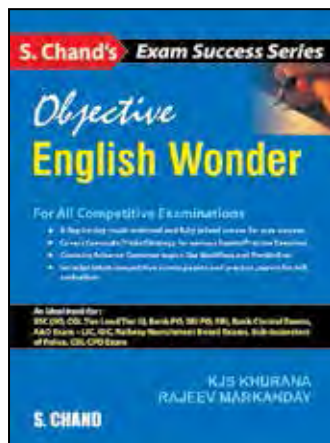
ISBN: 9789352533190 | Code: 9789352533190 | Price: ₹ 325 | Pages: 432 | Size: 6.75" X 9.5" (Paperback)

Contents

Day-1: Fundamentals, Day-2: Vedic Math, Day-3: The Number System, HCF and LCM, Day-4: Decimal Fraction, Day-5: Simplification, Day-6: Ratio, Proportion and Unitary, Day-7: Percentage, Day-8: Profit and Loss, Day-9: Time and Work, Day-10: Alligation (Mixture), Day-11: Average, Day-12: Partnership, Day-13: Simple Interest & Compound Interest, Day-14: Time and Distance, Day 15: Mensuration (2D), Day-16: Mensuration (3D), Day-17: Data Interpretation, Data Tables, Line Graphs, Day-18: Bar Graph, Pie Chart, Combination Graph • *Test Yourself*

K J S Khurana has worked in the teaching industry for more than twenty years. An MBA degree holder, he found his calling in the field of education and has co-authored various books on competitive exams.

Rajeev Markanday has worked in the education industry for more than twenty years. He has co-authored various books on competitive exams.



Objective English Wonder

K J S Khurana & R Markanday

About the Book

An easy to follow book which align aspirants' needs to a day to day understanding and practice format.

This book is for all aspirants of examinations which include English in the syllabus including but not limited to MBA (CAT), CDS, NDA, Banking, SSC, Railways, Hotel Management, NIFT Entrance and various Civil Services.

Key Features

- A day-to-day result-oriented and fully solved course for sure success
- Coverage of Concepts/Tricks/Strategy for various Exams/Practice Exercises
- Contains Advance Grammar topics like Modifiers and Parallelism
- 12 Practice Sets +15 Real Examination Sets (With Answers and Explanations)

ISBN: 9789352533152 | Code: 9789352533152 | Price: ₹ 300 | Pages: 512 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Vocabulary Building, 3. Nouns, 4. Pronouns, 5. Adjective, 6. Verbs & Tenses, 7. Adverbs, 8. Conjunctions, 9. Articles, 10. Prepositions, 11. Modifiers and Parallelism, 12. Common – Errors, 13. Sentence Rearrangement, 14. Reading Comprehension, 15. Fill in the Blanks, 16. Idioms and Phrases (I), 17. Idioms and Phrases (II), 18. Active and Passive Voice, Direct and Indirect Speech • *Evaluation* • *Latest Papers*: SSC, Malwa Gramn Bank, ICFAI, MAT, IRMA, SBI Clerical, IBPS PO • *Practice Papers* 1–12 • *Actual IBPS RRB Office Assistant Exam*. • *Actual IBPS RRB Clerk Prelim* • *IBPS Prelims(I)* • *IBPS PO Prelim* • *IBPS Main PO* • *SBI Clerical Online* • *SSC CGL Tier-I*

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Rajeev Markanday has worked in the education industry for more than twenty years. He has co-authored various books on competitive exams.



Maths 30 Days Wonder 3e

K J S Khurana & R Markanday

About the Book

The Author immense pleasure to present the third edition of Maths 30 Days Wonder. Quantitative Aptitude has been an important part of every entrance examination. Therefore Author felt that it was necessary to explain, otherwise thought as difficult, topics in a simple and lucid manner.

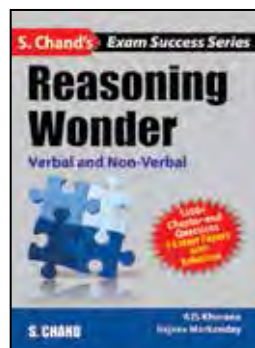
Revision and salient features include:

1. Vedic Maths supplement (for fast calculations and understanding of advance concepts)
2. Each concept is explained in detail and examples and chapter-wise practice questions provided, strengthen the concepts explained.
3. "Test Yourself" segment carries questions from latest competitive exams which add to the conviction of the aspirant as they provide rigorous revision.
4. Language of the book is again so simple that even a layman can understand it.

ISBN: 9789352837557 | Code: 9789352837557 | Price: ₹ 450 | Pages: 632 | Size: 6.75" X 9.5" (Paperback)

Contents

Section-I (Arithmetic-I): 1. Introduction and Concepts, 2. Decimal Fraction, 3. Simplification, 4. The Number System & Concepts of Divisibility, 5. HCF and LCM, 6. Percentage, 7. Profit and Loss-I, 8. Profit and Loss-II • *Test yourself (Section-I)*, Section-II (Arithmetic-II): 9. Time and Distance, 10. Average, 11. Partnership, 12. Ratio and Proportion and Unitary, 13. Time and Work, 14. Alligation or Mixture, 15. Simple Interest, 16. Compound Interest • *Test yourself (Section-II)*, Section-III (Mensuration and Geometry): 17. Mensuration (2D), 18. Mensuration (3D), 19. Geometry-I, 20. Geometry-II • *Test yourself (Section-III)*, Section-IV (Algebra): 21. Factorization, Remainder Theorem and Conditional Identities, 22. Linear and Quadratic Equation, 23. Indices and Surds, 24. Sets • *Test yourself (Section-IV)*, Section-V (Advanced Maths): 25. Trigonometry-I, 26. Trigonometry-II, 27. Combination and Permutation, 28. Probability, 29. Sequences and Series, 30. Statistics • *Test yourself (Section-V)* • *Vedic Maths Supplement*



Reasoning Wonder (Verbal and Non-Verbal)

K J S Khurana & R Markanday

ISBN: 9789385676178

Code: 1006000227

Price: ₹ 275 | Pages: 312

Size: 6.75" X 9.5" (Paperback)

About the Book

A rapid-learning text on Reasoning, the book succinctly deals with both its aspects, i.e. Verbal and Non-Verbal reasoning.

Key Features

- More than 1000 questions with Solutions
- 9 Solved Papers ranging from SSC Clerk, SBI PO, IBPS SO, GIC - I, FCI and the like

Contents

1. Coding Decoding and Series, 2. Blood Relation and Direction Sense, 3. Analogies and Classification, 4. Input- Output, 5. Analytical Reasoning-I, 6. Analytical Reasoning-II, 7. Syllogism and Logical Consistency, 8. Verbal Reasoning, 9. Logical Sequence of Words Verification of Truth, 10. Symb-Operation, 11. Non-Verbal Reasoning-I, 12. Non-Verbal Reasoning-II • Papers 1—9



वस्तुनिष्ठ अंग्रेजी 18 दिनों में चमत्कार

के. जे. एस. खुराना एवं
आर. मारकण्डेय

ISBN: 9788121940368
Code: 1006A00183
Price: ₹ 330 | Pages: 600
Size: 6.75" X 9.5" (Paperback)

एम.बी.ए., कैट, सी.डी.एस., एन.डी.ए., बैंकिंग (सी.डब्ल्यू.ई.), एस.एस.सी., रेलवेज, होटल मैनेजमेंट, एन.आई.एफ.टी. प्रवेश परीक्षा, आई.ए.एस. (सी.एस.ए.टी.) तथा अन्य सभी प्रतियोगी परीक्षाओं के लिए

विशेषताएँ

- निश्चित सफलता के लिए परिणामदायक एवं पूर्णतः हल पाठ्य-सामग्री
- विभिन्न परीक्षाओं/अभ्यास को पूरा करने हेतु ट्रिक्स/युक्तियों से परिपूर्ण
- प्रवेश परीक्षाओं के उद्देश्य से सभी विषय-वस्तुओं का समावेश
- ग्रामर के नवीनतम विषय-वस्तुओं से युक्त-रूपांतरण तथा सादृश्यता आदि
- स्वमूल्यांकन के लिए हाल ही में हुए प्रतियोगी परीक्षाओं के प्रश्न पत्र

विषय-सूची

1. Introduction, 2. Vocabulary Building, 3. Nouns, 4. Pronouns, 5. Adjective, 6. Verbs & Tenses, 7. Adverb, 8. Conjunctions, 9. Articles, 10. Prepositions, 11. Modifiers and Parallelism, 12. Common - Errors, 13. Sentence Rearrangement, 14. Reading Comprehension, 15. Fill in the Blanks, 16. Idioms and Phrases, 17. Idioms and Phrases, 18. Evolution • Test Yourself Section-I (Easy Level Papers) • Yourself Section-II (Medium Difficulty Level Papers) • Yourself Section-III (Tough Level Papers)



वस्तुनिष्ठ गणित 18 दिनों में चमत्कार

के. जे. एस. खुराना एवं
आर. मारकण्डेय

ISBN: 9788121938716
Code: 1006B00182
Price: ₹ 225 | Pages: 328
Size: 6.75" X 9.5" (Paperback)

अंकगणित सभी प्रतियोगी परीक्षाओं का एक महत्वपूर्ण भाग है। इसमें सफलता प्राप्त करने के लिए छात्रों में जिन तीन अनिवार्य चीजों - तीव्र गणना • स्पष्ट अवधारणा • शर्टकट विधि का ज्ञान होना आवश्यक है उन्हीं को ध्यान में रखकर इस पुस्तक की रचना की है। साथ ही पुस्तक की भाषा सरल एवं प्रवाहपूर्ण रखी गई है ताकि औसत-स्तर के छात्र भी आसानी से विषय-वस्तु को समझ सकें एवं मेधावी छात्र अपने ज्ञान में निखार एवं गतिशीलता में वृद्धि कर सकें।

- पहली बार दिन-प्रतिदिन परिणामदायक एवं निश्चित सफलता के लिए पूर्णतया हल पाठ्यक्रम से परिचय
- स्व-मूल्यांकन के लिए हाल में हुए प्रतियोगी परीक्षाओं का प्रश्न बैंक
- एम.बी.ए., बैंकिंग, एस.एस.सी., रेलवे, सी.डी.एस., एन.आई.एफ.टी., कैपस रिक्लूटमेंट टेस्ट एवं अन्य प्रतियोगी परीक्षाओं के लिए अनिवार्य।

विषय-सूची

डे-1: मूलभूत सिद्धांत, डे-2: संख्याओं पर आधारित तथ्य, डे-3: महत्तम समापवर्तक तथा लघुतम समापवर्त्य, डे-4: दशमलव भिन्न, डे-5: सरलीकरण, डे-6: अनुपात-समानुपात तथा इकाई सम्बन्धी, डे-7: प्रतिशत, डे-8: लाभ तथा हानि-I, डे-9: लाभ तथा हानि-II, डे-10: समय एवं कार्य, डे-11: मिश्रण, डे-12: औसत, डे-13: सांख्यिकी, डे-14: साधारण व्याज, डे-15: चक्रवृद्धि व्याज, डे-16: समय तथा दूरी, डे-17: क्षेत्रमिति द्वितीय (2D), डे-18: क्षेत्रमिति त्रितीय (3D) • Test Yourself



SSC Constable (GD) Mobile Mock Test Series 15 Mobile Mock Tests

ISBN: 9789352836222
Code: 9789352836222
Price: ₹ 199 | Pages: 216
Size: 8.5" X 11" (Paperback)

About the Book

This book contains 15 Mock Test designed as per the Exact Exam pattern, Syllabus and Level of Difficulty as mentioned in the SSC Constable GD Notification 2018. Detailed Solution for every Question is given at the end of every test. SSC Constable GD aspirants who are preparing hard to secure this job can get the real time evaluation, All India Rank and Time Management Skill using this book. This book can be the One stop solution for all your Exam Practice and Improvement Needs. This book useful for SSC Constable (BSF, NIA, CISF, ITBP, SSB, CRPF, Assam Rifles)

About the Series

MMTS abbreviated as Mobile Mock Test Series is India's first Ever Test Series book that can be used along with the App and web platform "Test Coach" (www.testcoach.in). Aspirants can Read from Book & Answer on App to get the Instant Evaluation and Analysis. This test series is designed by One of the India's most trusted Publishing house - S. Chand.

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एस एस सी कॉन्स्टेबल (जीडी) मोबाइल मॉक टेस्ट सीरीज़ 15 मोबाइल मॉकटेस्ट *

ISBN: 9789352836239
Code: 9789352836239
Price: ₹ 199 | Pages: 220
Size: 8.25" X 10.5" (Paperback)

पुस्तक के विषय में

इस पुस्तक में परीक्षा के पैटर्न, पाठ्यक्रम (एसएससी कॉन्स्टेबल जीडी अधिसूचना 2018 में उल्लिखित) पर आधारित 15 मॉक टेस्ट शामिल हैं। प्रत्येक टेस्ट के अंत में सभी प्रश्नों का विस्तृत समाधान दिया गया है।

एसएससी कॉन्स्टेबल जीडी के अभ्यर्थी जो इस नौकरी को पाने हेतु कड़ी मेहनत कर रहे हैं,

इस पुस्तक का उपयोग करके अखिल भारतीय रैंक, वास्तविक समय मूल्यांकन, और समय प्रबंधन कौशल प्राप्त कर सकते हैं।

यह पुस्तक एसएससी कांस्टेबल जीडी परीक्षा के अभ्यास और सुधार के लिए एक मात्र विकल्प हो सकती है।

प्रमुख विशेषताएँ

- 15 उत्कृष्ट मॉक टेस्ट
- समस्त प्रश्नों का विस्तृत हल
- अपने मित्रों के साथ स्वयं का मूल्यांकन करें
- नवीन परीक्षा पैटर्न पर आधारित

शृंखला के विषय में

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Disclaimer: पुस्तक में दिए गए टेस्ट को ऐप और वेब प्लेटफॉर्म पर एक बार लिए जा सकता है।



SSC कांस्टेबल भर्ती परीक्षा (प्रैक्टिस सेट्स)

एस. चन्द एक्सपर्ट्स

ISBN: 9789352833108
Code: 9789352833108
Price: ₹ 125 | Pages: 180
Size: 8.25" X 10.5" (Paperback)

विषय-सूची

- प्रैक्टिस सेट्स 1 से 15
- सॉल्वड पेपर्स 1 से 4



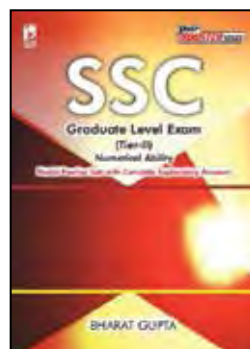
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एस. चन्द एक्सपर्ट्स

ISBN: 9789352533169
Code: 9789352533169
Price: ₹ 300 | Pages: 370
Size: 8.25" X 10.5" (Paperback)

विषय-सूची

- प्रैक्टिस सेट्स 1 से 15
- सॉल्वड पेपर्स 1 से 6



SSC Graduate Level Exam (Tier-II) Numerical Ability

Bharat Gupta

ISBN: 9789325982369
Code: 2001003063
Price: ₹ 325 | Pages: 360
Size: 6.75" X 9.5" (Paperback)

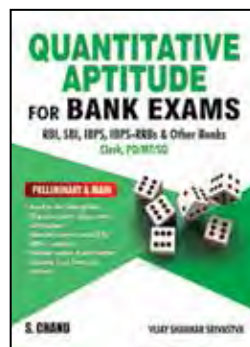
About the Book

SSC Numerical Ability is a practice book and an efficient preparation tool for SSC Tier-II examination. It has been designed in a systematic way to help the students cope with difficult questions and improve their exam score. This book will give students all the practice they need. The book will aid the students with exam practice and make them familiar with SSC examination pattern with different range of difficulty levels. It contains a variety of effective strategies, tricks and tips to achieve peak performance. Students are encouraged to offer comments and suggestions for the improvement of this book.

Contents

- Model Test Papers 1 to 15

Bharat Gupta, Managing Director, RADIX, is a renowned teacher of Competitive Mathematics in Lucknow for the last 20 years.



Quantitative Aptitude for Bank Exams Preliminary & Main

Vijay Shankar Srivastava

ISBN: 9789353381202
Code: 9789353381202
Price: ₹ 450 | Pages: 628
Size: 8.25" X 10.5" (Paperback)

About the Book

This book is written in accordance with the new syllabi prescribed for Bank Clerk, PO/MT/SO conducted by RBI, SBI and IBPS-RRBs. Each section of the book is fully explained, and all the important formulas have been compiled. More than 3000 objective type questions have been provided that adhere to the latest pattern, syllabus, question format, and changing trends of various examinations.

This book has abundant examples, Exam Trends, and Exercises to explain different topics in a detailed and clear manner. Various tricks are given to quickly solve the questions.

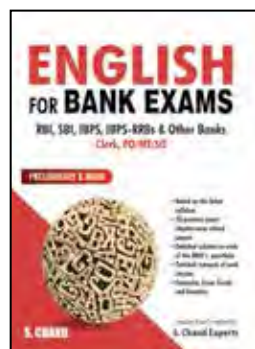
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Key Features

- Based on the latest syllabus
- 10 previous years' chapter-wise solved papers
- Detailed solution of 3000+ questions
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Contents

Part-I : Elementary Arithmetic, 1. Number System, 2. Lowest Common Multiple (LCM) & Highest Common Factor (HCF), 3. Simple and Decimal Fraction, 4. Simplification, 5. Approximate Value, 6. Average, 7. Ratio and Proportion, 8. Mixture and Alligation, 9. Percentage, 10. Partnership, 11. Profit and Loss, 12. Discount, 13. Problems on Ages, 14. Time and Work, 15. Pipes and Cisterns, 16. Time and Distance, 17. Problems Based on Trains, 18. Problems on Boats and Streams, 19. Races and Games of Skill, 20. Simple Interest, 21. Compound Interest, 22. Number Series, **Part-II Elementary Algebra**, 23. Basic Algebra, 24. Equations and Inequality, 25. Permutation and Combination, 26. Probability, **Part-III : Mensuration**, 27. Area and Perimeter, 28. Surface Area and Volume, **Part-IV : Trigonometry**, 29. Trigonometry, **Part-V : Geometry**, 30. Geometry, **Part-VI : Data Interpretation**, 31. Data Analysis and Interpretation, 32. Tabulation, 33. Bar Diagrams/Graphs/Charts, 34. Line Graphs/Charts/X-Y Charts/Cartesian Graphs, 35. Pie Diagrams/Pie Charts, 36. Caselet, 37. Miscellaneous Graphs, 38. Missing Data, 39. Data Sufficiency, **Model Test Papers**, 1. Model Test Paper-1, 2. Model Test Paper-2, 3. Model Test Paper-3, 4. Model Test Paper-4, 5. Model Test Paper-5



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S. Chand Experts

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Code: 9789353381219

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This book has abundant examples, Exam Trends, and Exercises to explain different topics in a detailed and clear manner. Various tricks are given to quickly solve the questions.

The questions and the concepts provided would not only boost the confidence of the aspirants, but would also sharpen their time management skills.

Key Features

- Based on the latest syllabus
- 10 previous years' chapter-wise solved papers
- Detailed solution of 3000+ questions
- Detailed synopsis of each chapter
- Sufficient examples, Exam Trends, and Exercises

Contents

1. Reading Comprehension, 2. Spotting Errors, 3. Sentence Improvement, 4. Sentence Re-arrangement, 5. Synthesis of Sentences, 6. Fillers, 7. Cloze Test, 8. Spelling Mistakes, 9. Synonyms and Antonyms, 10. Idioms and Phrases, 11. Miscellaneous
• Model Test Papers 1-4



A Mirror of Bank Clerk English Volume - I

Dr Ashok Kumar Singh



ISBN: 9789352531110

Code: 1006000243

Price: ₹ 195 | Pages: 272

Size: 8.5" X 11" (Paperback)

About the Book

A unique text written in English and Hindi, it teaches the reader in a systematic way on how to approach the language in an analytical fashion. This book is useful for IBPS online entrance exam, Bank Clerk Exams for English language. It can also be used as reference text for understanding the language in a simple manner as well as for other Banking examinations such as Bank PO/MT, RRB, SO, SBI PO.

Contents

1. Comprehension, 2. Common Errors, 3. Improvement of Sentences, 4. Fill up the Blanks, 5. Close Test, 6. Sentence Making, 7. Paragraph Making, 8. Misspelt or Inappropriate Words, 9. Spelling Errors

Ashok Kumar Singh is BA (Hons.) LNMU, MA (PU), Ph.D. (BRABU), Dip-in-Muse, (Allahabad) and Sr. Dip-in-Muse, Chandigarh. Currently he is Director Objective English Institute & Research Centre.



Banking Interview

Himanshu Shekhar



ISBN: 9789385676390

Code: 1006000236

Price: ₹ 125 | Pages: 168

Size: 6.75" X 9.5" (Paperback)

About the Book

For all bank examinations' interviews such as IBPS Clerk, IBPS SO, IBPS RRB, SBI PO & Clerk as well as general banking interviews (private banks).

Contents

1. Introduction, 2. Subject-wise Questions, 3. Development Banking, 4. Indian Financial Market, 5. Negotiable Instrument, 6. Digital Banking, 7. NABARD, RRB and Public Finance

Himanshu Shekhar is National Winner of Innovative Teacher Leadership Award, Microsoft, Capetown-20 (Microsoft ITLA, Capetown, S. Africa) and ITLA-2010 National Winner.



RRB: Assistant Loco Pilot and Technician Phase-I (CBT Guide)

S. Chand Experts

ISBN: 9789352833580

Code: 10HE000090

Price: ₹ 250 | Pages: 392

Size: 8.25" X 10.5" (Paperback)

About the Book

This book is specifically developed for the aspirants who are preparing for the recruitment process organized by the *Railway Recruitment Board*. This book has study material, practice questions (solved) and previous year's question papers (solved) for the aspirants to have rigorous practice based on the latest pattern of examination.

Key Features

- Syllabi has been comprehensively covered in five sections
- Based on the latest pattern of examination
- Sufficient practice questions with answers
- Previous years' questions included

Contents

Section-I: History of Indian Railways, Section-II: Test of Numerical Ability, Section-III: Test of Reasoning Ability, Section-IV: General Science, Section-V: General Knowledge



रेलवे भर्ती बोर्ड (आर.आर.बी.) असिस्टेंट लोको पायलट एवं टेक्नीशियन फ़ेज़-1 (सी.बी.टी.गाइड)

एस. चन्द एक्सपर्ट्स

ISBN: 9789352833573

Code: 10HE000089

Price: ₹ 225 | Pages: 360

Size: 8.25" X 10.5" (Paperback)

पुस्तक के विषय में

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प्रमुख विशेषताएं

- पाठ्यक्रम का पूर्ण कवरेज पांच वर्गों में
- नवीनतम पैटर्न पर आधारित

• अभ्यास के लिए पर्याप्त प्रश्न

• पिछले सालों के प्रश्न शामिल

विषय-सूची

- भाग-1: भारतीय रेल का इतिहास • भाग-2: गणित • भाग-3: सामान्य बुद्धिमता एवं तर्कशक्ति
- भाग-4: सामान्य विज्ञान • भाग-5: सामान्य ज्ञान



रेलवे भर्ती बोर्ड्स हेल्पर (ग्रुप 'डी') एस. चन्द एक्सपर्ट्स

ISBN: 9789352833696

Code: 9789352833696

Price: ₹ 280 | Pages: 412

Size: 8.25" X 10.5" (Paperback)

पुस्तक के विषय में

यह पुस्तक विशेष रूप से रेलवे में हेल्पर (ग्रुप 'डी') पदों के उम्मीदवारों के लिए बनाई गई है। इस पुस्तक में उन सभी अध्यायों को सम्मिलित किया गया है जिनसे परीक्षा में बहुतायत में प्रश्न पूछे जाते हैं। प्रत्येक अध्याय में उदाहरण एवं प्रश्नावली के प्रश्न हल सहित दिए गए हैं जिससे प्रश्नों के हल करने की युक्तियों एवं उनके विभिन्न चरणों को समझ सकें।

प्रमुख विशेषताएं

- पाठ्यक्रम का पूर्ण कवरेज 6 वर्गों में
- नवीनतम पैटर्न पर आधारित
- अभ्यास के लिए पर्याप्त प्रश्न
- हल प्रश्न पत्र 2013-14 शामिल

विषय-सूची

- भाग-1: हल प्रश्न पत्र (2013-14) • भाग-2: सम-सामयिकी • भाग-3 सामान्य जागरूकता
- भाग-4: सामान्य विज्ञान • भाग-5: सामान्य बुद्धिमता और तर्कशक्ति • भाग-6: सामान्य गणित



भारतीय रेलवे बोर्ड भर्ती परीक्षा गैर तकनीकी श्रेणी स्नातक एस. चन्द एक्सपर्ट्स

ISBN: 9789352531400

Code: 1006000252

Price: ₹ 255 | Pages: 510

Size: 8.5" X 11" (Paperback)

About the Book

This book useful for the aspirants appearing for Graduate Level competitive exam (non-technical category) which is conducted by the Railway Recruitment Board (RRB). Divided into 3 units with an introduction to 'History of Indian Railways', Railway Recruitment Board (Non-Tech Category) Graduate Level (CBT) 2016 (English) ably covers General Knowledge, Quantitative Aptitude and Reasoning. A total of 38 chapters cover the syllabus efficiently.

विषय-सूची

• **भारतीय रेल का इतिहास, भाग-1: सामान्य ज्ञान:** 1. भारतीय इतिहास, 2. विश्व इतिहास, 3. विश्व का भूगोल, 4. भारत का भूगोल, 5. भारतीय राजव्यवस्था, 6. भारतीय अर्थव्यवस्था, 7. सामान्य विज्ञान, 8. परंपरागत सामान्य ज्ञान, 9. खेलकूद, 10. पुरस्कार एवं सम्मान, **भाग-3: संख्यात्मक योग्यता परीक्षण:** 1. विभाज्यता, 2. दशमलव, 3. भिन्न-संबंधी प्रश्न, 4. लघुगणक, 5. करणी, 6. वर्गमूल एवं घनमूल, 7. लघुतम तथा महत्तम समापवर्तक, 8. आयतन, 9. क्षेत्रफल व परिमाप, 10. समय और काम, 11. औसत, 12. मिश्रण, 13. बट्टा या छूट, 14. अनुपात एवं समानुपात, 15. आयु संबंधी प्रश्न, 16. व्यापार एवं साझेदारी, 17. चाल, समय और दूरी, 18. साधारण व्याज, 19. चक्रवृद्धि व्याज, **भाग-3: तर्कशक्ति परीक्षण:** 1. अंग्रेजी वर्णमाला, 2. कूटलेखन एवं कूटवाचन, 3. सादृश्यता, 4. श्रृंखला, 5. वर्गीकरण, 6. घन, घनाभ एवं पासा, 7. घड़ी एवं कैलेंडर, 8. दिशा और दूरी, 9. क्रम एवं बैठक व्यवस्थिकरण, 10. रक्त संबंध, 11. शब्दों का तार्किक क्रम, 12. औपबोधित संख्या, अक्षर एवं प्रतीक, 13. गणितीय सक्रियताएँ, 14. लुप्त पदों को भरना, 15. आधारभूत गणितीय गणनाएँ, 16. वेन आरेख एवं आरेखीय निरूपण, 17. कथन एवं निष्कर्ष, 18. पहेली, 19. प्रतिबिम्ब, 20. आकृति पूर्ति, 21. सन्निहित आकृति, 22. आकृति निर्माण, 23. आकृति श्रृंखला, 24. आकृति सादृश्यता, 25. आकृति वर्गीकरण, 26. आकृति आव्यूह, 27. आकृतियों का समूहीकरण, 28. आकृतियों की गिनती, 29. कागज मोड़ना एवं काटना, 30. आव्यूह

We have prepared a set of four books for students of UGC-NET/JRF/SET. Each one of them is a focused, well-structured resource devised in a way to become a natural supplement to any teaching methodology or preparation plan for National Eligibility Test (NET) conducted by the University Grants Commission (UGC).

Key Features

- MCQs classified as per the syllabus notified by the UGC
 - Both fact-based and analytical MCQs
- MCQs distributed as per significance of the chapter in the syllabus
 - Previous years' question papers



UGC-NET/JRF/SET Teaching and Research Aptitude (General Paper - I), 2e

S. Chand Experts

ISBN: 9789325994201

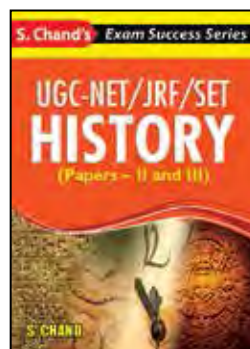
Code: 2006000004

Price: ₹ 375 | Pages: 740

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UGC-NET/JRF/SET History (Papers - II and III)

S. Chand Experts

ISBN: 9789325994188

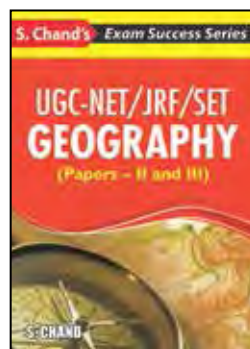
Code: 2006000005

Price: ₹ 465 | Pages: 680

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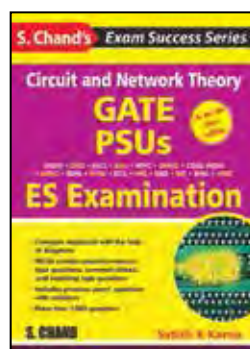
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Satish K Karna, graduate in Electronics and Communication Engineering and MTech in Computer Integrated Manufacturing from Punjab Engineering College, Chandigarh. He has more than 20 years of teaching and industrial experience and specializes in coaching students for competitive examinations like GATE, PSUs, and ESE.



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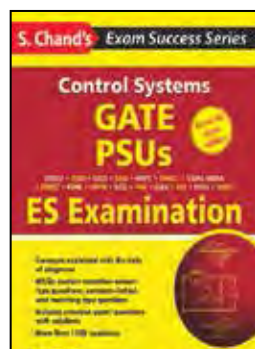
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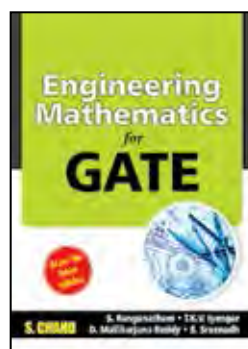
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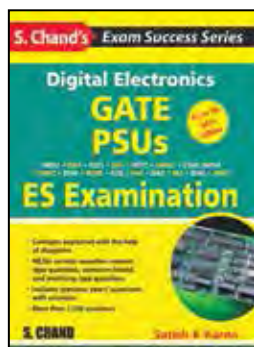
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S Ranganatham is M.Sc., M.Phil, Former Head of the Dept. of Mathematics Jawaharbharti College Kavali.



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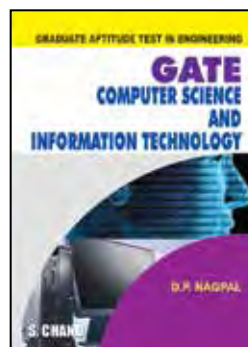
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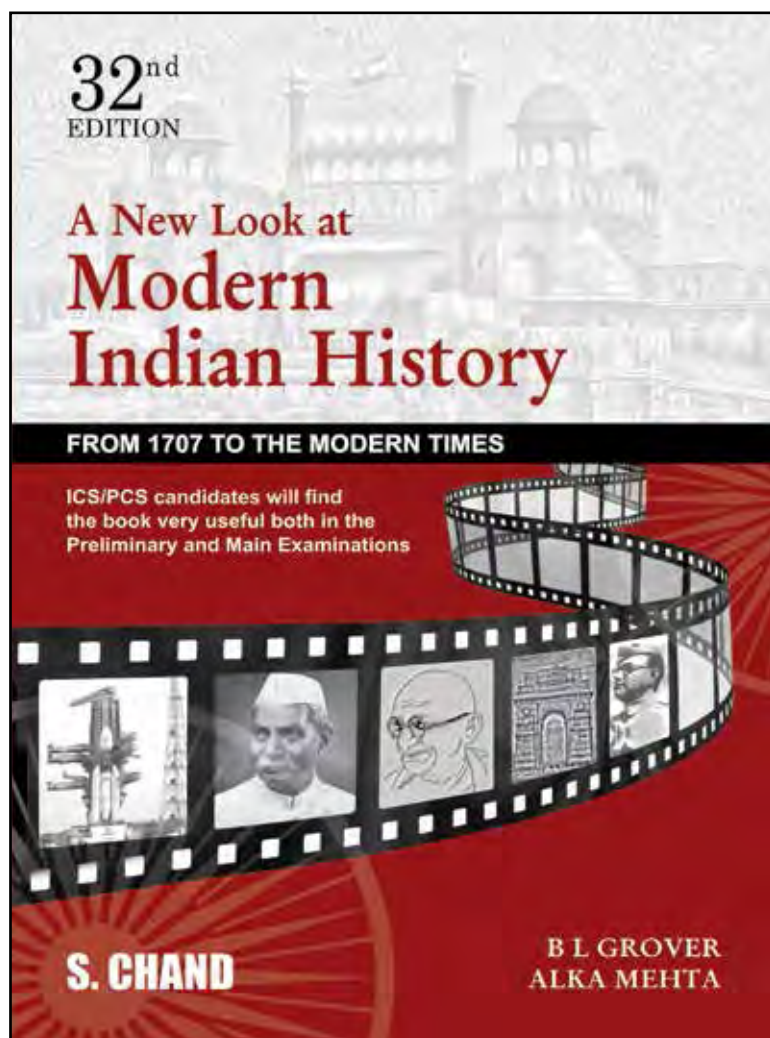
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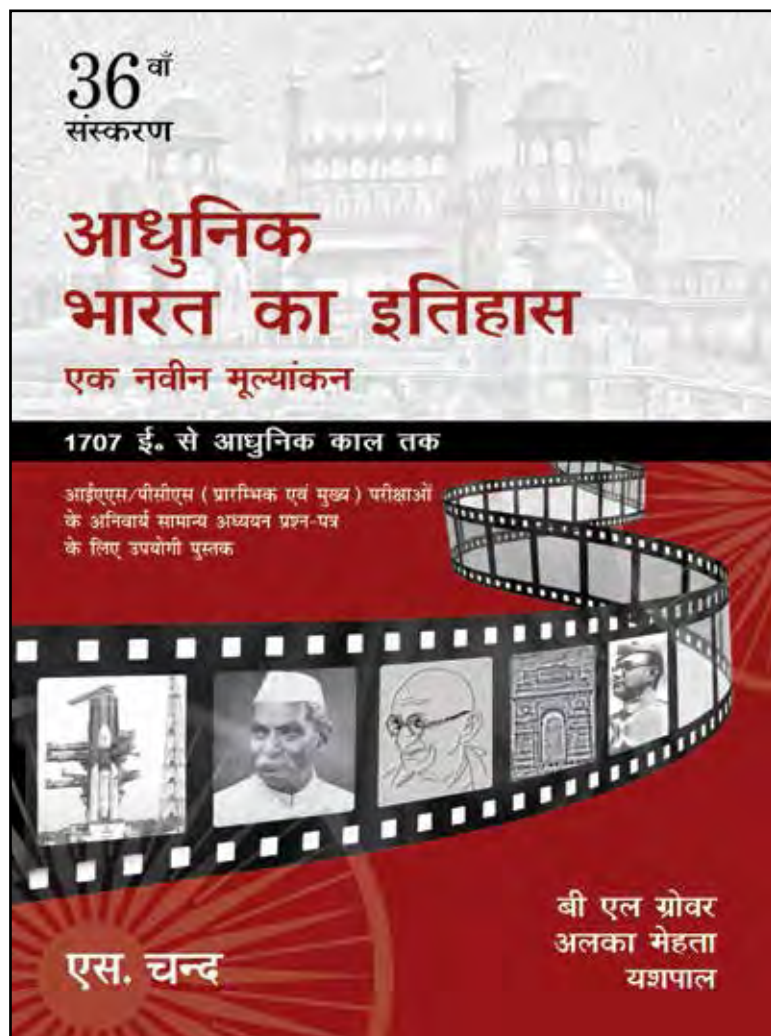
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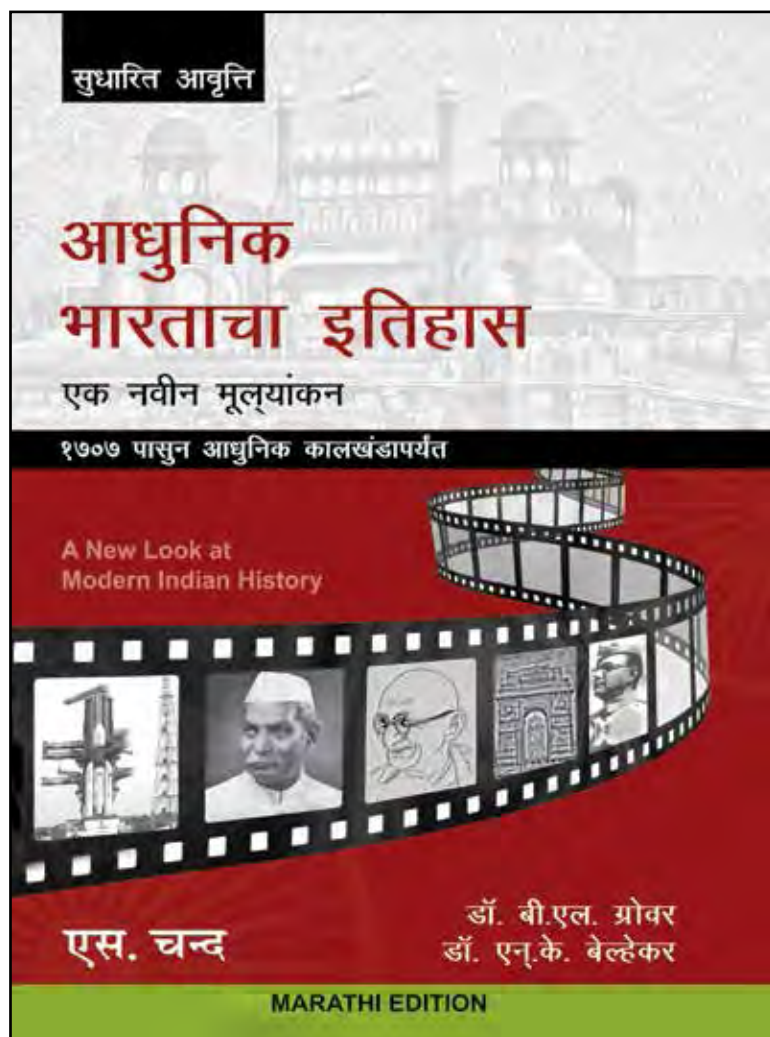
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- III: भारतीय विद्रोह पर कार्ल मार्क्स के विचार





आधुनिक भारताचा इतिहास एक नवीन मूल्यांकन

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एन्. के. बेल्लेकर

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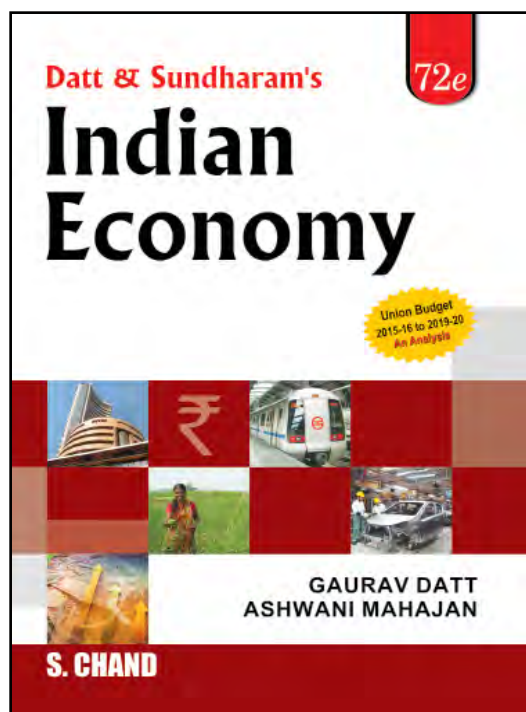
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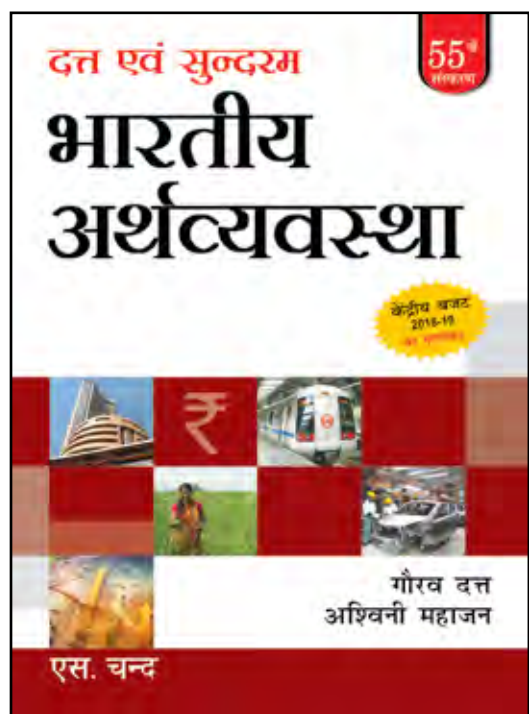
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विषय-सूची

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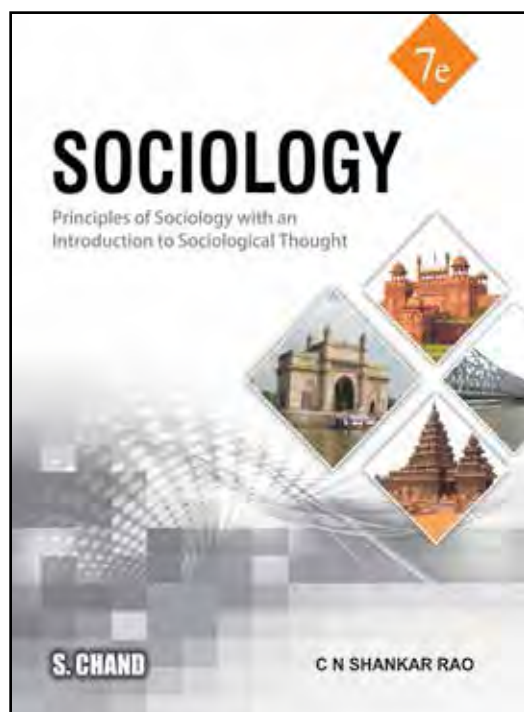
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46. गैट, विश्व व्यापार संगठन और भारत का विदेशी व्यापार

47. औद्योगिक श्रम और इसका संगठन
48. श्रम समस्याएँ और श्रम-नीति
49. कृषि श्रम
50. भारतीय मौद्रिक प्रणाली
51. भारतीय वित्तीय प्रणाली: वाणिज्य बैंक-व्यवस्था
52. भारत में वित्तीय प्रणाली का सुधार
53. भारतीय वित्तीय प्रणाली: विकास बैंकिंग एवं वित्त संस्थान
54. रिजर्व बैंक ऑफ इण्डिया
55. केन्द्र और राज्यों के बीच वित्तीय सम्बन्ध
56. तेरहवां वित्त आयोग (2010-15)
57. चौदहवां वित्त आयोग (2015-20)
58. केन्द्र एवं राज्य सरकारों की बजटीय प्रवृत्तियाँ
59. विमुद्रीकरण के मद्देनजर राजकोषीय नीति: 2018-2019 के केंद्रीय बजट का मूल्यांकन
60. भारत में सरकारी अर्थसाहाय्य



Sociology 7e

C N Shankar Rao

About the Book

This textbook has been comprehensively written to acquaint the students with the fundamental concepts of sociology as well as provide an introduction to the diverse field of sociology. Students will be introduced to the origins of sociology as a discipline and would get acquainted with relevant topics such as inequality, institutions, control, change, disorganisation & problems in the society. Topics such as applied sociology and social thought have also been provided to give a complete overview of the subject. This textbook not only caters as a primary text to the undergraduate students of Sociology but is also a useful reference for postgraduate students and aspirants appearing for various competitive examinations.

Key Features

- Addition of two new chapters on Women in Society and Social Work, Social Welfare and Social Securing: Conceptual Overviews
- Replacement of old chapter on 'Population Problem and Beggary' with 'Problem of Overpopulation in India' to give a more contemporary approach and treatment to the problem

ISBN: 9788121910361 | Code: 1018C00044 | Price: ₹ 749 | Pages: 800 | Size: 8.25" X 10.5" (Paperback)

Contents

Part-I: Introduction to Sociology

1. Introduction
2. Definition, Scope and Uses of Sociology
3. Some Branches of Sociology
4. Methods of Sociology
5. Social Research: Its Methods and Techniques
6. Sociology and Other Social Sciences
7. The Study of Human Society

Part-II: Basic Sociological Terms

8. Some Basic Concepts
9. Role and Status
10. Power, Status and Authority
11. Social Structure and Function

Part-III: Individual – Culture and Society

12. Individual and Society
13. Heredity and Environment
14. Individual and Communities
15. Culture
16. Socialisation and Culture
17. Social Groups

18. Social Processes

19. Organisation and Individual

Part-IV: Social Inequality

20. Social Differentiation and Social Stratification

21. Caste – Estates and Class

22. Some Aspects of Social Mobility

Part-V: Social Institutions

23. Marriage

24. Marriage in India

25. The Family

26. Kinship System

27. The Educational System

28. The Economic System

29. The Political System

30. Religion – Morality and Magic

Part-VI: Social Control

31. Meaning and Nature of Social Control

32. Folkways – Mores – Customs and Sanctions

33. Social Norms and Social Values

34. Social Conformity and Deviance

Part-VII: Social Change

35. Meaning and Nature of Social Change

36. Theories and Factors of Social Change

Part-VIII: Collective Behaviour and Social Movements

37. Collective Behaviour

38. Social Movements

Part-IX: Social Disorganisation and Social Problems

39. Social Disorganisation

40. Juvenile Delinquency, Youth Unrest and Problems of Aged

41. The Problem of Overpopulation in India

42. The Problem of Poverty

43. Unemployment Problem

44. Problems of the Under-Privileged: Scheduled Castes and Scheduled Tribes and Other Backward Classes

45. Corruption and Black Money in Society

Part-X: Applied Sociology

46. The Problem of Order

47. Applied Sociology

Part-XI: Sociological Thought

48. Introduction to Social Thought

49. Auguste Comte and His Thoughts

50. Herbert Spencer and His Thoughts

51. Durkhiem and His Contributions

52. Max Weber and His Thoughts

53. Karl Marx and His Thoughts

54. Science and Technology

55. Types of Societies

56. Social Mobility

57. Race and Ethnic Relations

58. Women in Society

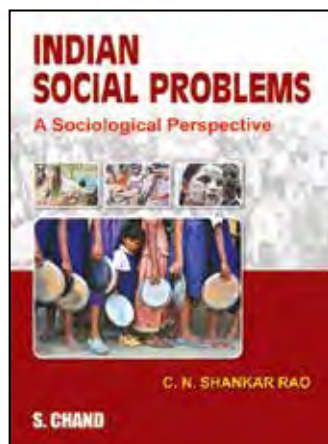
59. Social Work, Social Welfare and Social Security: Conceptual Overviews

60. Talcott Parsons and Robert K Merton: Their Contributions

- Annexure to Chapter 20: Social Differentiation and Social Stratification

- Bibliography

C N Shankar Rao, Canara Pre-University College, Mangalore.



Indian Social Problems

C N Shankar Rao

About the Book

This book entitled '*Indian Social Problems: A Sociological Perspective*' provides a glimpse of many social problems that have been haunting the Indian society since years, decades, and even centuries.

Though India is fast developing, it has lots of regional, cultural, linguistic and religious diversities. These diversities are also reflected in its social problems. This book covers social problems which are general in nature and common to the whole nation such as population problem, poverty, unemployment, child labour, urbanization, youth unrest, problems of the aged, family disorganization, corruption, crime and delinquency, etc.

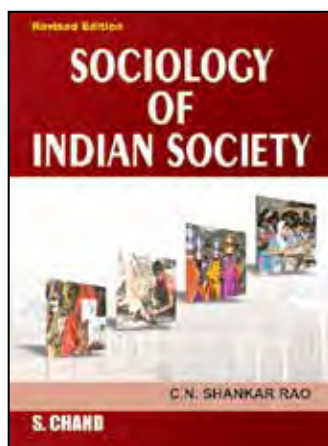
This book is prepared mainly to cater to the needs of the undergraduate and postgraduate students. Most of the universities in India have prescribed one paper on 'Indian Social Problems' either at the undergraduate or postgraduate level. The book also covers topics that are included in the syllabi of IAS, NET, SLET, KAS and other national- and state-level competitive examinations. It also contains lessons that form part of MBA, nursing and five-year law courses. Such students and examinees will definitely find the book highly helpful.

ISBN: 9789384857950 | Code: 1018000053 | Price: ₹ 335 | Pages: 644 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Social Problems: An Introduction, 2. Problem of Poverty, 3. Unemployment Problem, 4. Problem of Over Population in India, 5. Crime and Punishment, 6. Juvenile Delinquency, 7. Problem of Child Labour, 8. Youth Unrest and Agitations, 9. Problems of the Aged in India, 10. Problems of Women in Modern India, 11. Dowry as a Social Problem, 12. Family Disorganisation: Divorce and Desertion in India, 13. Prostitution and Aids, 14. Alcoholism and Drug Addiction, 15. Corruption in Public Life and Nepotism, 16. Challenges for National Integration, 17. The Menace of Terrorism, 18. The Scheduled Castes, 19. Problems of Scheduled Tribes, 20. Backward Castes / Classes [OBCS], 21. Problems of the Religious Minorities, 22. Problems of Indian Villages, 23. Problems of Urbanisation, 24. Environmental Pollution, 25. Illiteracy, 26. Commercialisation of Higher Education in India, 27. Problem of Bonded Labour, 28. Problem of Black Money
• Bibliography

C N Shankar Rao, Canara Pre-University College, Mangalore.



Sociology of Indian Society

C N Shankar Rao

About the Book

The revision comes 10 years after the first edition and completely overhauls the text not only in terms of look and feel but also content which is now contemporary while also being timeless. A large number of words are explained with the help of examples and their lineage which helps the reader understand their individual usage and the ways to use them on the correct occasion.

Key Features

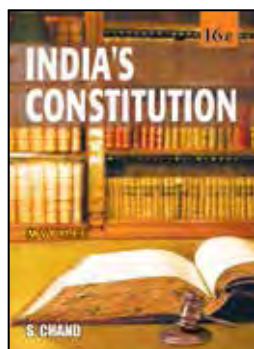
- More than 5000 words and their usage
- Pre-chapter information on "How to Use this Book" and "Word Formation"
- Seven dedicated chapters on confusing words and phrases

ISBN: 9788121924030 | Code: 1018D00051 | Price: ₹ 599 | Pages: 792 | Size: 6.75" X 9.5" (Paperback)

Contents

1. Historical Moorings of the Indian Society, 2. Indian Society Through the Ages, 3. Pioneers of Indian Sociology, 4. Marriage System in India, 5. Family System in India, 6. Women in India, 7. Indian Caste System, 8. Some Aspects of Social Mobility, 9. The Scheduled Castes, their Problems, and Welfare Measures for their Upliftment, 10. Backward Castes / Classes [OBCS] their Problems and Welfare, 11. Social Movements in India, 12. Tribal Life in India, 13. Rural Life in India (Part I: Rural India : Nature, Features and Problems), 14. Rural Life in India (Part II: Rural Development and Rural Change), 15. Urban Life in India, 16. Environment Pollution, 17. Economic Factors in Modern India, 18. Demographic Dynamics in India, 19. Religion and Society, 20. Political System in India, 21. Education in India, 22. Some Social Problems of India • Annexure • Bibliography • I.A.S. Examination Syllabus - Paper II

C N Shankar Rao, Canara Pre-University College, Mangalore



India's Constitution, 16e

M V Pylee

ISBN: 9789352531042

Code: 1017G00161

Price: ₹ 510 | Pages: 360

Size: 6.75" X 9.5" (Paperback)

About the Book

This book attempts to make such a study in a fairly comprehensive manner. It seeks to focus the attention of those interested in the subject on the way the different aspects of the Constitution have been in operation, on their proved merits and drawbacks. It takes into account constitutional developments over the period and also throws light on the important issues like failure of the Congress Party which was ruling the country for ten years, and the coming into power of the BJP with amazingly large majority.

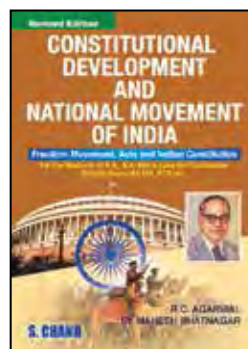
Key Features

- A well-known comprehensive text on India's constitution with a holistic approach
- A revised and updated edition providing a cumulative account of the changing scene of politics with the fifteenth general elections of 2014 bringing about the decimation of the congress party and the triumph of BJP
- Coverage of the new legislation regulating procedure for recommending new appointments to the Supreme Court of India

Contents

Part-I: Introduction: 1. The Dawn of a New Era, 2. Basic Principles, 3. Historical Background, **Part-II: Preamble, Territory and Citizenship:** 4. The Preamble, 5. The Union and its Territory, 6. Citizenship, **Part-III: Fundamental Rights and the Directive Principles:** 7. Fundamentals Rights: General Nature, 8. Right to Equality (Articles 14, 15, 16, 17 & 18), 9. The Right to Freedom (Article 19), 10. The Right against Exploitation (Articles 23 and 24), 11. The Rights to Freedom of Religion (Articles 25 and 28), 12. Cultural and Educational Rights (Articles 29 and 30), 13. The Right to Property (Articles 31, 31-A, 31-B, 31-C and 31-D), 14. The Rights to Constitutional Remedies (Articles 32 and 32-A), 15. An Assessment, 16. The Directive Principles, 17. Fundamentals Duties, **Part-IV: The Machinery of the Union Government:** 18. The Union Executive, 19. The Council of Ministers and the Prime Minister, 20. The Vice-President and the Attorney General, 21. The Union Legislature – The Parliament of India, 22. Legislative Procedure, 23. Privileges and Committees, 24. The Union Judiciary – The Supreme Court, **Part-V: Government Machinery in the States:** 25. The State Executive: The Governor, 26. The Governor and the Council of Ministers, 27. The State Legislature, 28. Judiciary in the States, 29. Union Territories, **Part-VI: The Federal System:** 30. The Scheme of Division of Powers, 31. Administrative Relations Between the Union and States, 32. Financial Relations, 33. Inter – State Trade and Commerce, 34. Emergency Provisions, 35. The Zonal Councils, **Part-VII: Miscellaneous Provisions:** 36. The Comptroller and Auditor-General of India, 37. Public Services, 38. The Public Service Commissions, 39. Administrative Tribunals, 40. Official Language, 41. Elections, 42. Special Provisions Relating to Certain Classes, 43. Amendment of the Constitution, 44. Constitutional Review, 45. Concluding Observations • **Appendices:** I. Presidents and Vice-President of India, II. Prime Ministers of India, III. Speakers of Lok Sabha, IV. High Courts and their Jurisdictions, V. Administrative Tribunals • **Selected Bibliography • Index**

Dr. M V Pylee is the Hon. Director General of the Asian Institute of Development and Entrepreneurship, South Kalamassery.



Constitutional Development & National Movement in India

R C Agarwal & Mahesh Bhatnagar

ISBN: 9788121905657

Code: 1017C00031

Price: ₹ 450 | Pages: 776

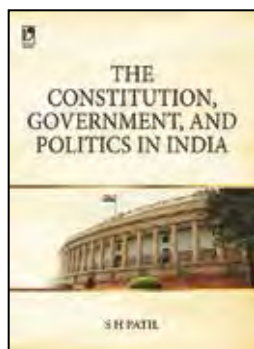
Size: 6.75" X 9.5" (Paperback)

About the Book

The present edition of the book has been extensively revised with the addition of new chapters and incorporation of up-to-date changes and developments that have taken place in the constitutional development. Multiple Choice Questions have been added at the end of the chapter in order to make the book more useful for those who are appearing in different competitive examinations like IAS, P.C.S. etc. it is also useful for the students of B.A., B.A.(Hons.) courses.

Contents

Part-I: Constitutional Development of India: 1. Regulating Act, 2. Pitt's India Act, 3. Charter Act of 1793, 4. Charter Act of 1813, 5. Constitutional Development upto 1853, 6. Charter Act of 1853, **Part-II: National Movement (Struggle for Freedom Against Foreign Rule):** 1. March of British Imperialism, 2. Disastrous Effects of British Imperialism, 3. First Armed Struggle for Freedom, 1857 and Act of 1858, 4. Act of 1861, 5. Rise of Nationalism in India, 6. Birth of Indian National Congress and National Movement, 7. The Indian Council Act of 1892, 8. Moderate and Extremist Programme of Congress, 9. Revolutionary Movement in India and Abroad, 10. Rise and Growth of Communalism, 11. Morley-Minto Reforms (Act of 1909), 12. The Impact of First World War and The Home Rule Movement, 13. Government of India Act, 1919, 14. Nature and Working of Dyarchy in the Provinces, 15. Non-Co-operation Movement and Swaraj Party, 16. Civil Disobedience Movement, 17. Socialist and Communist Trends in National Movement, 18. Central Government (Act of 1935), 19. Provincial Governments (Act of 1935), 20. Working of the Provincial Autonomy, 21. Quit India Movement and Dawn of Independence, 22. Some Prominent Leaders of Freedom Struggle • **Appendix:** Heroic Struggle for Freedom in Assam, **Part-III: Modern Indian Constitution (Greatest Instrument of Legal Political System):** 1. Framing of the Constitution: Its Basic Objectives and Philosophy, 2. Sources of the Constitution, 3. Salient Features of India's New Constitution, 4. Nature of the Federal System, 5. Fundamental Rights and Duties, 6. Directive Principles of State Policy, 7. The Union Executive, 8. The Union Executive, 9. Vice-President, 10. Union Parliament, 11. Reorganisation of States, 12. The Role of Governor in State Politics, 13. The State Council of Ministers and Chief Minister, 14. Relations between the Union and the States, 15. Zonal Councils, 16. Supreme Court, 17. The State High Courts, 18. Administration of Delhi and Other Union Territories, 19. Social Justice and Weaker Sections, 20. Amendments of the Indian Constitution, 21. The Comptroller and Auditor-General and Attorney-General of India, 22. Public Services (Bureaucracy) and Public Service Commission, 23. Planning Commission and Five Year Plans, 24. Mid-Term Appraisal of the Eleventh Five-Year Plan, 25. District Administration in India, 26. Panchayati Raj or Local Self-Government, 27. Pressure Groups, 28. Articles 370 of the Constitution of India (*Special Provision for Jammu and Kashmir*) **Appendix-1: Karnataka Legislative Assembly Election, 2013, Background, Election, 2. Punjab, Uttarakhand, Gujarat, Uttar Pradesh, Goa, Manipur, Himachal Pradesh, 3. Indian Parliament Completes 60 Years of its Existence, Parliament is Supreme, Parliament Building: A Brief History, Interesting Facts about Lok-Sabha • Index**



The Constitution, Government and Politics in India

S H Patil

ISBN: 9789325994119

Code: 9789325994119

Price: ₹ 450 | Pages: 712

Size: 6.75" X 9.5" (Paperback)

About the Book

The Constitution, Government and Politics in India covers the evolution of the Constitution of India, government and politics from Independence to the present day. It describes the new political forces, such as movements for the extension and expansion of reservation for the weaker sections; politics of awakened linguistic and religious minorities; emergence of elite women in politics; rise of regionalism, communalism and secularism; increasing role of mass media in the political process; changing foreign policy of India; the roles of lokayuktas and the lok pal; widening role of the Election Commission; judicial activism; expanding meanings of the fundamental rights and human rights, and so on.

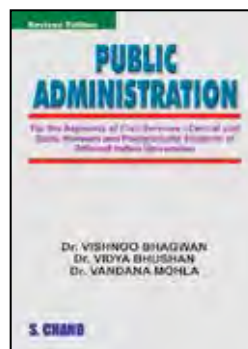
Salient Features

- Comprehensive text on the Constitution of India, with a holistic approach
- Covers the evolution of the Indian constitution, government and politics from Independence to the present day
- An appendix at the end of every chapter providing the latest information
- Useful for the students and teachers of political science and law, and candidates appearing for the competitive examinations conducted by the Union Public Service Commission and the state public service commissions

Contents

1. India: Basic Facts, 2. The Constituent Assembly, 3. Preamble, 4. India, That is Bharat, 5. Nature of The Constitution, 6. Citizenship and Adult Suffrage, 7. Fundamental Rights, 8. The Directive Principles of State Policy, 9. President of India, 10. Vice President, 11. The Union Council of Ministers, 12. The Prime Minister, 13. Caretaker Government at The Centre, 14. Coalition/Minority Governments at The Centre, 15. Parliament (Part-I) The Rajya Sabha (Council of States), 16. Parliament (Part-II) The Chairman and The Deputy Chairman of The Rajya Sabha, 17. Parliament (Part-III) The Lok Sabha, 18. Parliament (Part-IV) The Speaker and The Deputy Speaker of The Lok Sabha, 19. Parliament (Part-V) Parliamentary Procedures, 20. Parliament (Part-VI) Parliamentary Committees, 21. History of Judiciary, 22. The Supreme Court, 23. Attorney General of India, 24. The Governor, 25. Council of Ministers and Chief Minister, 26. State Legislature, 27. Concept of State/Federal Unit, State Politics and Coalition Governments, 28. The History and Constitution of Jammu and Kashmir, 29. The High Courts in The States, 30. The Subordinate Courts, 31. Advocate General, 32. Lokayuktas in The States, 33. Lokpal at The Centre, 34. Union Territories, 35. Urban Local Governments History (1687-1993), 36. Panchayat Raj, 37. Civil Services Under The Union and The States, 38. Public Service Commission, 39. The Election Commission, 40. History of Suffrage, 41. Comptroller and Auditor General of India, 42. Planning Commission, 43. Emergency Provisions, 44. Union-State Relations, 45. Federation with Strong Union Government, 46. Parliamentary System of Government, 47. Procedure for Amending The Constitution, 48. The 9th Schedule and Judicial Review, 49. Reservation for Weaker Sections, 50. Minorities, 51. Land of Languages and Dialects: from The Ruler's Language to The People's Language, 52. Elite Women in Politics, 53. Regionalism, 54. Public Violence, 55. Religion and Communalism; Caste and Caste Politics, 56. Secularism and The Secular State, 57. Pressure Groups, 58. Role of Press, 59. Political Parties, 60. Process of Change and Development, 61. Foreign Policy, 62. Identity Politics and Indian Democracy, 63. Indian Human Rights Commission • *Bibliography* • *Index*

S H Patil is a Professor of Political Science (Retd.), Karnatak University, Dharwad, and earlier has been ICSSR Senior Fellow and UGC Emeritus Fellow. He has authored many books.



Public Administration, 23e

Vishnoo Bhagwan,
Vidya Bhushan &
Vandana Mohla

ISBN: 9788121903400

Code: 1017C00009

Price: ₹ 450 | Pages: 728

Size: 6.75" X 9.5" (Paperback)

About the Book

This book is intended for Undergraduate (Hons.) and Postgraduate students of Public Administration. Besides, it would also be useful to the aspirants of Civil Services. Comprehensive and lucidly written the book provides the reader with a wide range of information and latest updates on this topic.

Key Features

- The explanation of general aspects of administration like principles, tools, organization types and management of public administration in an easy to understand language.
- The book also covers the topics of local administration like Panchayati Raj, community administration, district administration and municipal government in India.
- The language of the text is easy and idiomatic.
- The style is lucid.
- Facts have not been sacrificed at the altar of verbosity.
- Perfunctory details have been avoided.

Contents

Part-I: Introduction: 1. Meaning, Nature and Scope of Public Administration, 2. Importance of Public Administration, 3. Public Administration and Other Social Sciences, 4. New Dimensions of Public Administration, **Part-II: Organisation in General:** 5. General Aspects of Administration, 6. Principles and Tools of Administration, 7. Legislature as a Board of Directors, 8. The Chief Executive as General Manager, **Part-III: Organisation – Principles and Structure:** 9. Organisation and its Principles, 10. Staff Line and Auxiliary Agencies, 11. Organization of Department, 12. The Bureau and Board of Commission, 13. Field Establishments, 14. Public Enterprises, 15. Independent Regulatory Commissions, **Part-IV: Management:** 16. Management—A Conceptual Analysis, 17. Leadership, 18. Policy-Formation, 19. Decision-Making, 20. Planning, 21. Coordination, 22. Delegation & Communication, 23. Supervision, 24. Public Relations, **Part-V: Personnel Administration:** 25. Civil Servants and their Role, 26. Problems of Personnel Organisation, 27. Recruitment of Personnel, 28. Training, 29. Promotion, Advancement, Transfer, 30. Public Employees Organization, 31. Economic Civil Services in India—Need & Evolution, 32. Corruption in Public Services, 33. Generalist vs. Specialist, **Part-VI: Administrative Improvement:** 34. Administrative Procedure, 35. Organisation and Methods (O and M), **Part-VII: Administrative Law and Adjudication:** 36. Administrative Legislation, 37. Delegated Legislation, 38. Administrative Adjudication, **Part-VIII: Financial Administration:** 39. Administration and Finance, 40. The Budget, 41. The Finance Ministry, 42. Budgetary Process in India, 43. Parliamentary Control over Finances—Accounting and Audit, 44. Parliamentary Control over Finances—Financial Committees, **Part-IX: Control Over Administration:** 45. Control over Administrative, 46. Citizen and Administration, **Part-X: Local Administration:** 47. State Local Relations, 48. Panchayati Raj, 49. Community Project Administration, 50. District Administration, 51. Municipal Government in India • *Appendices* • *Most Selected Bibliography* • *Index*

Vishnoo Bhagwan, M.A., Ph.D., H.E.S. (I), Former Joint Director College, Haryana.

Vidya Bhushan, M.A., Ph.D., H.E.S. (I), Former Joint Director College, Haryana.

Vandana Mohla, Ph.D. (Delhi), Associate Professor, KLMDN College for Women, Faridabad.



Civil Engineering (Conventional and Objective Type)

R S Khurmi & J K Gupta

ISBN: 9788121926058

Code: 4010D00312

Price: ₹ 650 | Pages: 736

Size: 6.75" X 9.5" (Paperback)

About the Book

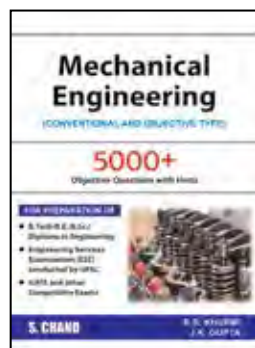
For more than 30 years, "Civil Engineering: Conventional & Objective Type" has been a comprehensive text for undergraduate students of Civil Engineering and has successfully helped them prepare for various competitive (such as GATE, UPSC, IAS and IES) as well as university examinations.

Salient Features

- Simple format ensures easy understanding and practice
- It now includes close to 4800 topic-wise solved and unsolved questions

Contents

1. Engineering Mechanics, 2. Strength of Materials, 3. Hydraulics and Fluid Mechanics, 4. Hydraulic Machines, 5. Surveying, 6. Building Materials, 7. Irrigation Engineering, 8. Public Health Engineering, 9. Highway Engineering, 10. Railway Engineering, 11. Soil Mechanics and Foundations, 12. Building Construction, 13. Concrete Technology, 14. Reinforced Cement Concrete Structures, 15. Steel Structures Design, 16. Construction Management, 17. Engineering Geology



Mechanical Engineering (Conventional and Objective Type)

R S Khurmi & J K Gupta

ISBN: 9788121906289

Code: 4010D00042

Price: ₹ 699 | Pages: 848

Size: 6.75" X 9.5" (Paperback)

About the Book

For more than 30 years, "Mechanical Engineering: Conventional & Objective Type" has been a comprehensive text for undergraduate students of Mechanical Engineering and has successfully helped them prepare for various competitive (such as GATE, UPSC and IES) as well as university examinations.

Salient Features

- Simple format ensures easy understanding and practice
- It now includes close to 5500 topic-wise solved and unsolved questions

Contents

1. Engineering Mechanics, 2. Strength of Materials, 3. Hydraulics and Fluid Mechanics, 4. Hydraulic Machines, 5. Thermodynamics, 6. Steam Boilers and Engines, 7. Steam Nozzles and Turbines, 8. I.C. Engines and Nuclear Power Plants, 9. Compressors, Gas Dynamics and Gas Turbines, 10. Heat Transfer, Refrigeration and Air Conditioning, 11. Theory of Machines, 12. Machine Design, 13. Engineering Materials, 14. Workshop Technology, 15. Production Engineering, 16. Industrial Engineering and Production Management, 17. Automobile Engineering • Index



Objective Electrical Technology

V K Mehta & Rohit Mehta

ISBN: 9788121920971

Code: 1010D00233

Price: ₹ 699 | Pages: 1,248

Size: 6.75" X 9.5" (Paperback)

About the Book

For the past 15 years, "Objective Electrical Technology" has been a comprehensive collection of multiple choice questions specifically for aspirants of various competitive (such as GATE, UPSC, IAS and IES) as well as students who are preparing for university examinations.

The questions provided in this book have been selected from various potent resources to provide the students with an idea of how the questions are set and what type of questions to expect on the final day.

Salient Features

- Divided in 4 parts and 41 chapters, questions are provided for every important concept of Electrical Technology.
- More than 1000 figures for clarity of questions provided.
- Close to 5500 questions (Short Answer Questions and Objective Type Questions combined) for the practice necessary for complete retention.

Contents

Part-I: Basic Electrical Engineering: 1. Basic Concepts, 2. D.C. Circuits, 3. Network Theorems, 4. Electrical Work, Power and Energy, 5. Electrostatics, 6. Capacitance, 7. Magnetism and Electromagnetism, 8. Magnetic Circuits, 9. Electromagnetic Induction, 10. Chemical Effects of Electric Current, 11. Alternating Current, 12. Series A.C. Circuits, 13. Phasor Algebra, 14. Parallel A.C. Circuits, 15. Three Phase Circuits, 16. Electrical Measuring Instruments, **Part-II: Electrical Machines:** 17. D.C. Generators, 18. D.C. Motors, 19. Transformers, 20. Three Phase Induction Motors, 21. Single Phase Motors, 22. Alternators, 23. Synchronous Motors, **Part-III: Power System:** 24. Generation of Electrical Energy, 25. Economics of Power Generation, 26. Supply Systems, 27. Overhead Lines, 28. Distribution of Electric Power, 29. Faults in Power System, 30. Switchgear, 31. Protection of Power System, **Part-IV: Basic Electronics:** 32. Semiconductor Physics, 33. Semiconductor Diodes, 34. Transistors, 35. Transistor Biasing, 36. Single Stage Transistor Amplifiers, 37. Multistage Transistor Amplifiers, 38. Transistor Audio Power Amplifiers, 39. Amplifiers with Negative Feedback, 40. Sinusoidal Oscillators, 41. Transistor Tuned Amplifiers



Objective Electrical, Electronics and Telecommunication Engineering 6e

B L Theraja & Er. V K Pandey

ISBN: 9788121925716

Code: 1010D00037

Price: ₹ 699 | Pages: 958

Size: 6.75" X 9.5" (Paperback)

About the Book

For more than 35 years, "Objective Electrical, Electronic and Telecommunication Engineering" has provided the most important aspect of learning to students – practice. With two parts and 33 chapters all geared with a plethora of questions, the book is every student's and examinee's must-read.

Apart from university examinations, the book is useful for GATE, IES, UPSC, MPSC, NTPC, IETE and other entrance examinations.

Salient Features

- More than 9000 questions (including 650+ figures) provide rigorous practice to students and aspirants for examinations.
- Four practice papers (2 for each section) provide additional exam preparation as well as Chapter-wise Paper Solutions of latest Competitive Examinations.

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श्री आर. सी. अग्रवाल द्वारा लिखित 'भारतीय संविधान का विकास तथा राष्ट्रीय आन्दोलन' पुस्तक का संशोधित एवं परिवर्द्धित संस्करण प्रस्तुत है। प्रस्तुत संस्करण में भारतीय संविधान में अब तक हुए संशोधनों का समपूर्ण विवरण विस्तृत रूप में प्रस्तुत किया गया है। प्रस्तुत पुस्तक में जम्मू-कश्मीर से सम्बन्धित धारा 370 पर एक पृथक अध्याय जोड़ा गया है। चूँकि यह धारा सदैव से विवादस्पद रही है और देश के कुछ राजनैतिक दल इस धारा को समाप्त करने की माँग को निरन्तर उठाते चले आ रहे हैं। अतः विद्यार्थियों को यह जानना आवश्यक है कि धारा 370 क्या है। और इसका विरोध क्यों हो रहा है? सर्वोच्च न्यायालय की वर्तमान सन्दर्भों में बदलती भूमिका पर भी पर्याप्त सामग्री उपलब्ध कराई गई है।

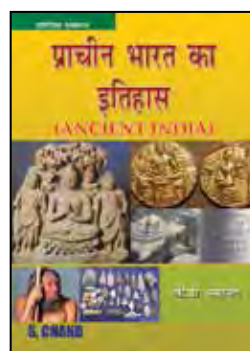
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आर. सी. अग्रवाल, एम. ए. (राजनीति शास्त्र तथा इतिहास) एच. ई. एस. (I) प्रिन्सिपल (सेवा निवृत्त), गवर्नमेंट कॉलेज, नारायणगढ़ (अम्बाला)

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इस पुस्तक में सभ्यताओं की उत्पत्ति से लेकर आरम्भिक मध्य युग तक प्राचीन भारत के इतिहास का वर्णन है। इसमें सभ्यताओं के स्रोत एवं कालक्रम का विवरण दिया गया है साथ ही विभिन्न युगों के कार्य, उनकी उपलब्धियाँ, सफलताओं एवं असफलताओं पर भी प्रकाश डाला गया है। इस पुस्तक में भारत की विशिष्ट सांस्कृतिक, धार्मिक एवं सामाजिक विविधताओं को दर्शाया गया है। प्राचीन भारत के इतिहास के विद्यार्थियों के अलावा यह पुस्तक विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अभ्यर्थियों के लिए भी उपयोगी है।

प्रमुख विशेषताएँ:

- प्राचीन काल से आरम्भिक मध्य युग तक ऐतिहासिक परिवर्तनों का संतुलित विवरण
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वी एन खन्ना एवं लेस्ली के कुमार

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पुस्तक के विषय में

इस पुस्तक में अंतर्राष्ट्रीय संबंध के विषय को ऐतिहासिक परिप्रेक्ष्य में प्रस्तुत किया गया है- प्रथम विश्वयुद्ध की पूर्व संध्या से शीत युद्ध की समाप्ति और उसके आगे। पुस्तक को दो खंडों में बांटा गया है: खंड-I में सैद्धांतिक परिप्रेक्ष्य, जबकि खंड-II में ऐतिहासिक अवलोकन प्रस्तुत किया गया है। यह पुस्तक और राजनीतिक विज्ञान के विद्यार्थियों के लिए उपयोगी सिद्ध होगी।

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विषय-सूची

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वी एन खन्ना दिल्ली विश्वविद्यालय के देशबंधु कॉलेज में राजनीति विभाग के वरिष्ठ रीडर थे। चार दशकों से अधिक के लंबे सेवकाल में उन्होंने कॉलेज एवं विश्वविद्यालय में विभिन्न स्तरों पर अध्यापन कार्य करने के साथ-साथ छात्र-छात्राओं की विकास गतिविधियों में भी महत्वपूर्ण भूमिका निभाई। वे कुछ समय अपने कॉलेज के प्राचार्य भी रहे तथा लंबे समय तक विश्वविद्यालय के सहकारी अध्यापन कार्य में भाग लेते रहे। वे सन् 2000 में सेवानिवृत्त हुए।

प्रो. खन्ना भारत के राजनीति विज्ञान संघ के आजीवन सदस्य तथा अंतर्राष्ट्रीय राजनीति विज्ञान संघ के सदस्य हैं। अनेक शिक्षण संस्थाओं से उनके संबंध हैं तथा उनमें उनकी सक्रिय भागीदारी रहती है। उनकी मुख्य रुचि तुलनात्मक राजनीति तथा अंतर्राष्ट्रीय संबंध में है। उन्होंने अनेक पुस्तकों की रचना की है तथा विभिन्न कार्यशालाओं, गोष्ठियों और सम्मेलनों में भाग लिया है।

लेस्ली के कुमार लेडी श्री राम कॉलेज, दिल्ली विश्वविद्यालय में सहायक प्रोफेसर हैं। उन्होंने 2011 से कई पाठ्यक्रम जैसे भारत की विदेश नीति, दक्षिण एशिया की राजनीति, अंतर्राष्ट्रीय संबंध, भू-राजनीति, राजनीतिक सिद्धांत, पारम्परिक एवं आधुनिक राजनीतिक दर्शनशास्त्र पढ़ाये हैं। उनकी मुख्य रुचि अंतर्राष्ट्रीय संबंध शिक्षा, दक्षिण एशिया, शिक्षा में कटुता, क्षेत्रीयता एवं राजनीति, कृत्रिम बुद्धिमत्ता की नीति में है। लेस्ली ने भारत व विदेश में विशेष व्याख्यान दिये हैं। लोयोला कॉलेज, चेन्नई और जवाहरलाल नेहरू विश्वविद्यालय, नई दिल्ली के छात्र रह चुके लेस्ली ने प्रसिद्ध राष्ट्रीय व अंतर्राष्ट्रीय पत्रिकाओं में शोधपत्र का योगदान दिया है।



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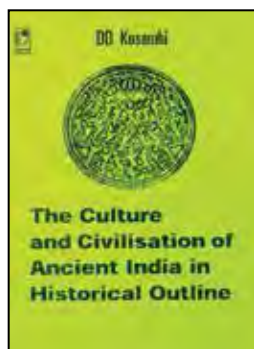
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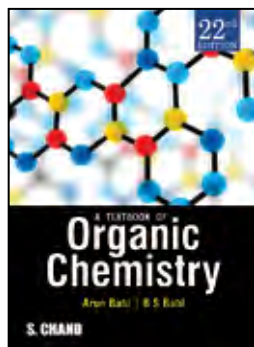
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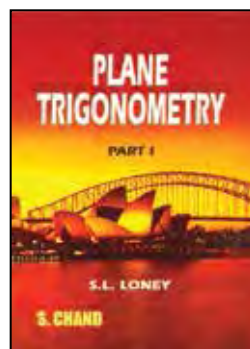
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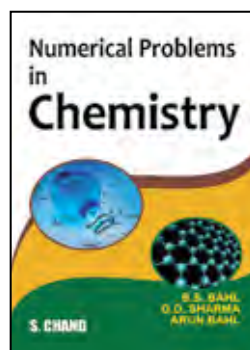
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B S Bahl, formerly Principal and Head of the Department, Chemistry, DAV College, Jalandhar.

Arun Bahl, formerly Professor of Chemistry, Panjab University, Chandigarh.



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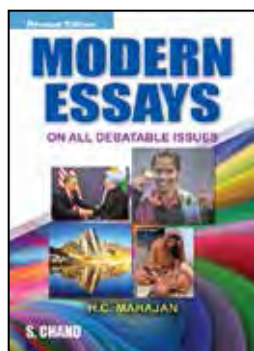
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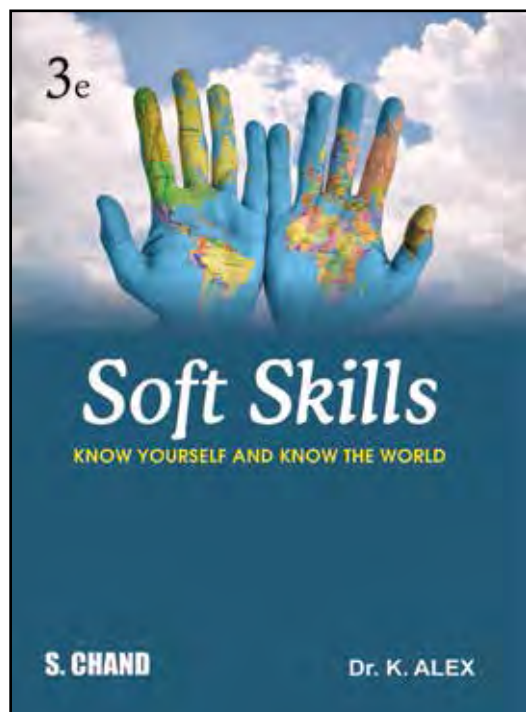
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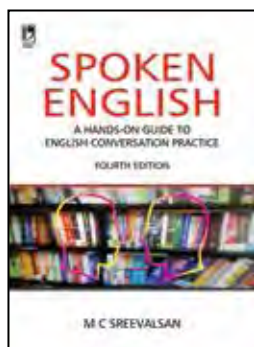
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Dr K Alex, Associate Professor, St. Joseph's College, Tiruchirapalli, Tamil Nadu.

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M C Sreevalsan

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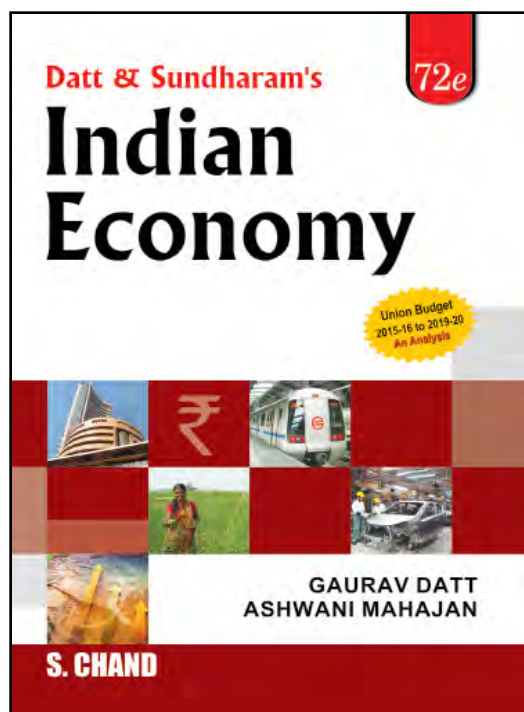
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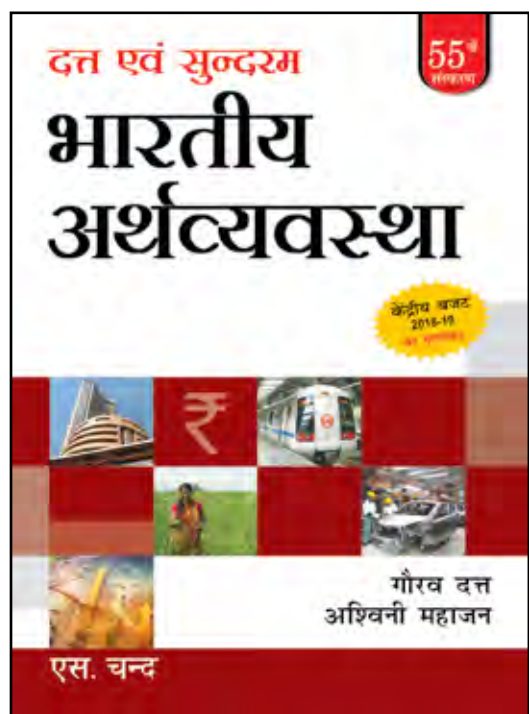
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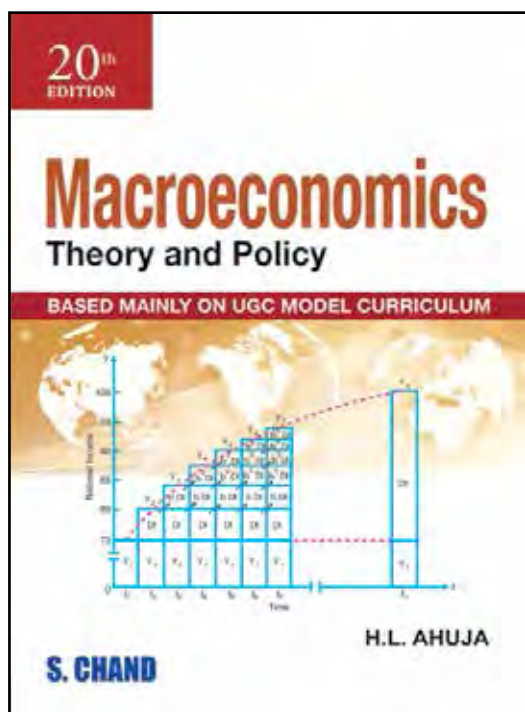
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Macroeconomics, 20e

H L Ahuja

Instructor's Resource available

About the Book

Macroeconomics - Theory and Policy provides a comprehensive coverage of all the important theories and policies of macroeconomics. The book is an exhaustive text for understanding all the relevant concepts and current developments in the subject. It traces the relevance of Keynesian theories to the developing economies and has critically examined the post-Keynesian developments.

Key Features

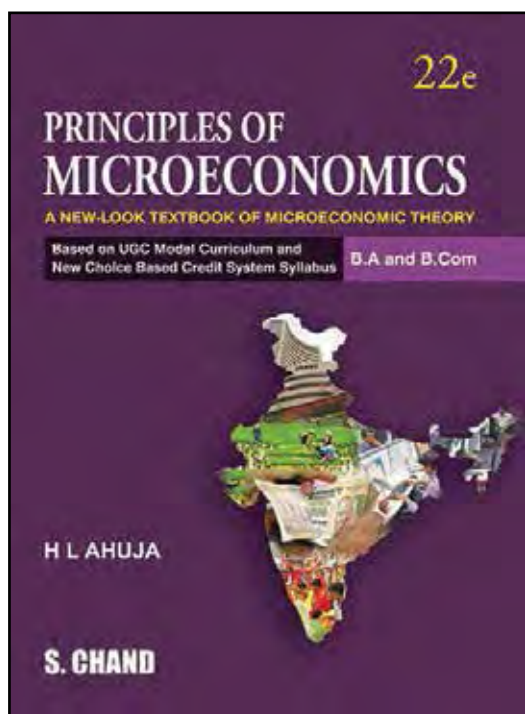
- Incorporates the latest trends and tendencies in macroeconomic analysis and policy
- Wide coverage of theories of economic growth and the relevance of these theories in the context of developing economies
- Extensive graphical illustration for easy understanding of topics

H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.

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Principles of Microeconomics, 22e

H L Ahuja

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About the Book

The book makes a comprehensive and analytical study of theories of demand, production/cost and determination of price and output of products in different market structures. It also discusses theory of factor pricing and income distribution as wages, rent, interest and profits. Above all, it critically analyses the conditions of economic efficiency and maximum social welfare and causes of market failures. It takes a further lead with this revision by aligning its contents with the prescribed UGC model curriculum and new Choice Based Credit System (CBCS) syllabus.

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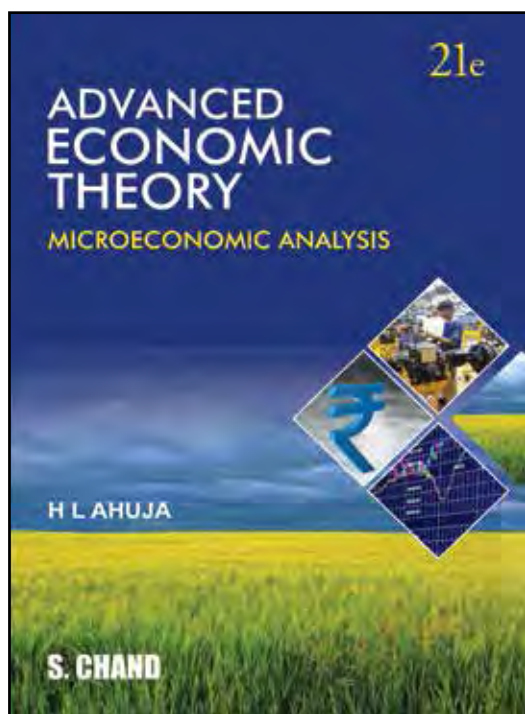
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



Advanced Economic Theory, 21e

H L Ahuja

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About the Book

This authoritative and comprehensive text is an advanced treatise on microeconomics. Featuring simplified mathematical treatment, the book covers a wide spectrum of theories and concepts aimed at effective understanding of advanced economic theory. This revised edition explores further the concept of economic efficiency and the concept of utility and its critique by Prof. Amartya Sen. It further includes an incisive analysis of Hicksian and Slutsky substitution effect. The revision also includes important distinctions and critical analysis of several functions exposing the latest developments in the field.

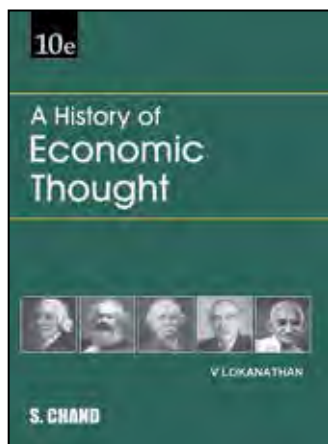
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A History of Economic Thought, 10e

V Lokanathan

About the Book

This book provides a comprehensive coverage of the origin and development of economic thought from ancient times to the present day. It documents the contributions of major thinkers from the time of *Hebrews to Maurice Dobb*, and the perspectives that influenced the economic thought. It further provides an account of the recent trends in Indian economic thought and will be of interest & relevance to all students & scholars of the subject.

Key Features

- Inclusion of new topic Shanti Parva enhancing insights to the economic thought of ancient India
- Discussion on the concept of new-Keynesian economics
- New chapters on Joan Robinson and Maurice Dobb expounding their works and contribution to economic thought
- New chapter on the accounts of socio-religious and socio-economic reformers such as Basaveshwara, Jyotirao Govindrao Phule and Rajarshi Shahu Maharaj
- Coverage on the contribution of Nobel Laureates in Economics up to 2016
- Updated account on the recent Indian economic thought by prominent thinkers such as J C Kumarappa, M S Swaminathan, Yashwantrao Balwantrao Chavan and many more

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V Lokanathan, Emeritus Professor of Economics, Sir Theagaraya College, Chennai.



उच्चतर समष्टि अर्थशास्त्र

एच. एल. आहूजा

पुस्तक के विषय में

भारतीय विश्वविद्यालयों के एम.ए. (अर्थशास्त्र) एवं एम. कॉम. के विद्यार्थियों के लिए अत्यंत सरल एवं सुबोध भाषा में लिखी गयी यह पुस्तक सिविल सेवा के अभ्यर्थियों के लिए भी उपयोगी है।

प्रमुख विशेषताएं:

- 'अर्थिक विकास का नवीन सिद्धान्त: अन्तर्जात विकास मॉडल' नामक एक नया अध्याय दिया गया है।
- केन्ज के समष्टिपरक सिद्धान्तों की विवेचना के साथ केन्ज उपरान्त विभिन्न समष्टिपरक सिद्धान्तों की आलोचनात्मक व्याख्या
- विकासशील देशों में विकास के लिए राजकोषीय नीति तथा कराधान की विवेचना

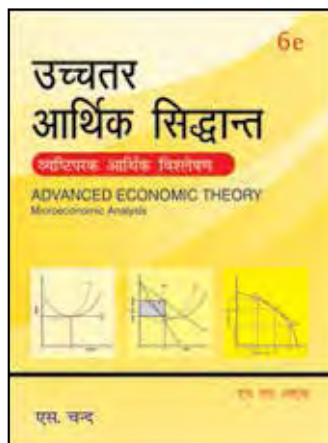
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उच्चतर आर्थिक सिद्धान्त

एच एल आहुजा

पुस्तक के विषय में

भारतीय विश्वविद्यालयों के एम.ए. (अर्थशास्त्र) तथा एम.कॉम. के विद्यार्थियों के लिए अत्यंत सरल एवं सुबोध भाषा में लिखी गयी इस पुस्तक में आर्थिक सिद्धान्तों की नवीनतम तथा आधुनिक प्रवृत्तियों एवं दृष्टिकोणों की व्यापक विश्लेषणात्मक व्याख्या की गयी है। इसमें न केवल माँग, उत्पादन, लागत तथा वितरण के सिद्धान्तों की बल्कि विभिन्न मार्केट ढाँचों में कीमत-निर्धारण एवं सामान्य संतुलन विश्लेषण तथा कल्याणकारी अर्थशास्त्र की आलोचनात्मक समीक्षा की गयी है। यह पुस्तक आई.ए.एस. एवं पी.सी.एस. के अभ्यर्थियों के लिए भी उपयोगी सिद्ध होगी।

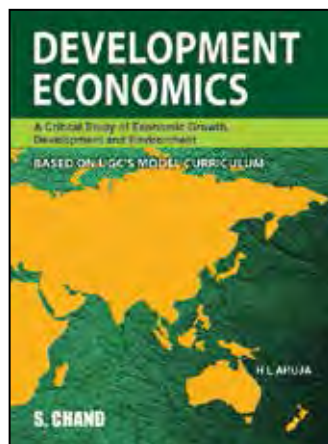
प्रमुख विशेषताएँ

- अर्थव्यवस्था की केन्द्रीय समस्याओं तथा उत्पादन संभावना वक्र के उपयोग की विस्तार से व्याख्या।
- मुक्त मार्केट अर्थव्यवस्था तथा उसके संचालन में कीमत प्रणाली की भूमिका का स्पष्टीकरण।
- रेखीय प्रायोजन के अन्तर्गत द्वैत समस्या तथा आहार समस्या का संशोधित विवरण।
- कीमत-निर्धारण के एकाधिकार, एकाधिकारिक प्रतियोगिता तथा अल्पाधिकार के अनेक मॉडलों की विस्तार से विवेचना।
- सामान्य संतुलन विश्लेषण एवं कल्याण अर्थशास्त्र में परेडो मानदण्ड तथा परेडो अनुकूलतम का विस्तृत अध्ययन।

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भाग-1 आर्थिक सिद्धान्त का स्वरूप एवं विषय-क्षेत्र (Nature and Scope of Economic Theory), भाग-2 माँग का सिद्धान्त (Theory of Demand), भाग-3 उत्पादन तथा लागत सिद्धान्त (Theory of Production and Cost), भाग-4 मार्केट ढाँचा तथा कीमत-निर्धारण (Market Structure and Price Determination), भाग-5 वितरण का सिद्धान्त (Theory of Distribution), भाग-6 सामान्य संतुलन विश्लेषण तथा कल्याणकारी अर्थशास्त्र (General Equilibrium Analysis and Welfare Economics)



Development Economics

H L Ahuja

About the Book

A result of more than four decades of teaching experience, this book deals with the problems of economic growth, development and eradication of poverty and unemployment. The book also includes an analytical study of important issues of environment and sustainable development. The book not only explains the models and theories of economic growth but also critically evaluates their relevance to developing countries. A major highlight of discussion in the context is the exploration of the widely accepted Amartya Sen's Capability Approach to development.

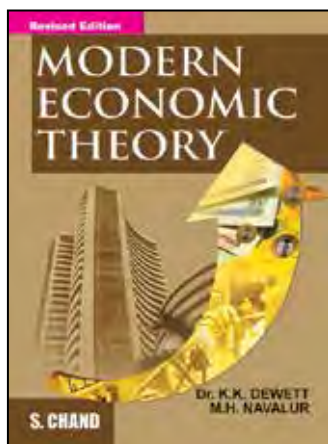
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- An analytical and critical evaluation of the important growth models and theories of economic growth
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Modern Economic Theory

K K Dewett & M H Navalur

About the Book

Modern Economic Theory is a critique on how monetary revolution across the globe is changing the course of world economies, financial systems and markets. Beginning with discussion on price theory and microeconomics, this classic textbook progresses to describe comprehensively, theory of income and employability or macroeconomics, money and banking, international economies and public finance. Economic systems, economics of development and planning and economies of welfare provide a clear idea about recent developments in and criticism of compensation principle, market structures and social welfare. It adequately meets the requirements of the BA and B.Com courses (Pass and Honours). In addition, postgraduate students of Arts and Commerce and aspirants of various competitive examinations will also find the book very useful and informative.

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- Two new chapters added in the revised edition- Financial system and Financial Reforms & Money Market, Capital Market, Stock Exchange and SEBI
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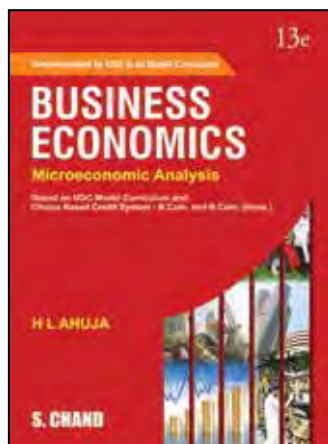
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K K Dewett, Formerly Head of Department - Economics, Chandigarh.

M H Navalur, Professor, Department of Economics, Maharashtra College of Science and Commerce, Mumbai.



Business Economics, 13e

H L Ahuja

About the Book

The book provides conceptual understanding of essential concepts in business life. It details the foundations of business economics with special emphasis on demand analysis and consumer behaviour. It also discusses analysis of production and cost of the firm, market structures and pricing of products, factor pricing and income distribution and concludes with the discussion of capital budgeting. Based on the author's extensive teaching experience, the book champions a collaborative approach to delivering an appropriate textbook that is curriculum relevant.

Key Features

- Syllabi Relevant: Caters to UGC's new CBCS syllabus and also to its earlier Model Curriculum
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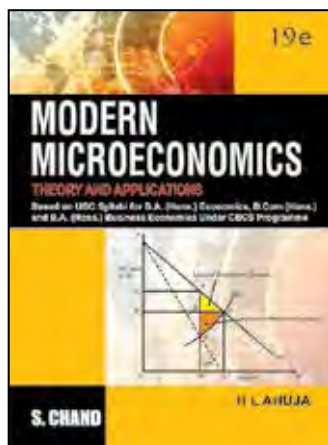
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



Modern Microeconomics, 19e

H L Ahuja

About the Book

The nineteenth edition of *Modern Microeconomics* continues to provide a detailed understanding of the foundations of microeconomics. While it provides a solid foundation for economic analysis, it also lucidly explains the mathematical derivations of various microeconomic concepts. This textbook would be extremely useful for the students of economics.

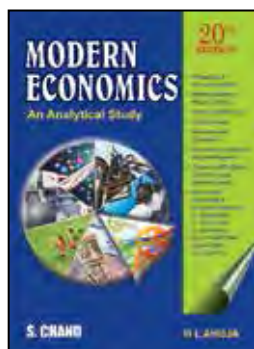
Key Features

- Important additions and elaborations in the new edition - phenomenon of 'poverty amidst plenty', compensating variation in income and equivalent variation in income, Hicksian analysis of wage-determination under collective bargaining in terms of employer's concession curve and labour union's resistance, tragedy of commons
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Modern Economics, 20e

H L Ahuja

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Economic Environment of Business, 7e

H L Ahuja

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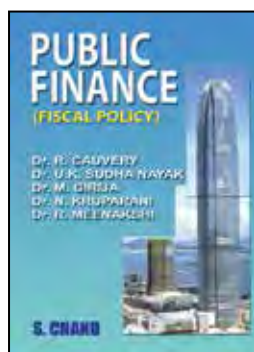
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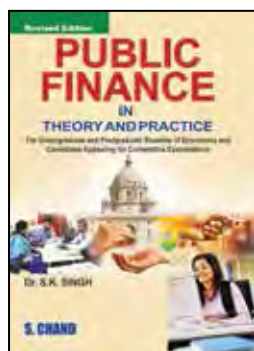
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S K Singh

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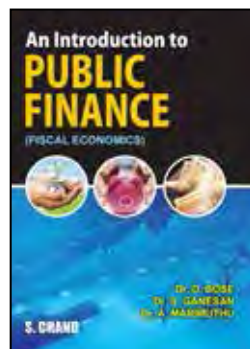
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An Introduction to Public Finance

D Bose, S Ganesan &
A Marimuthu

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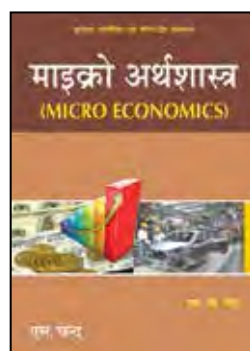
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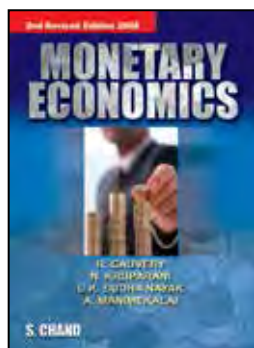
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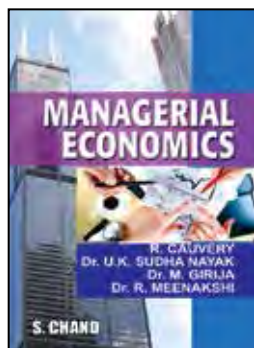
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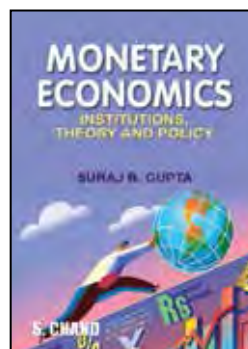
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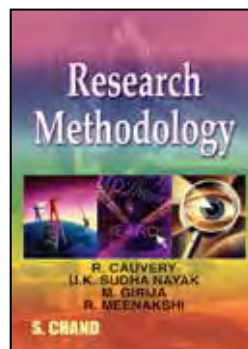
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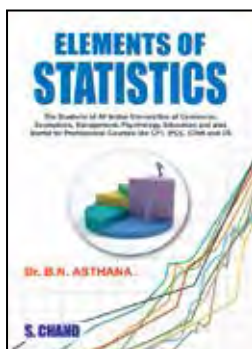
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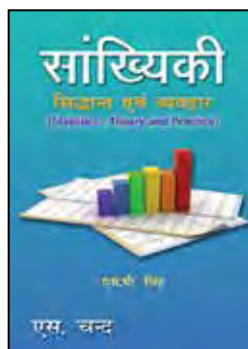
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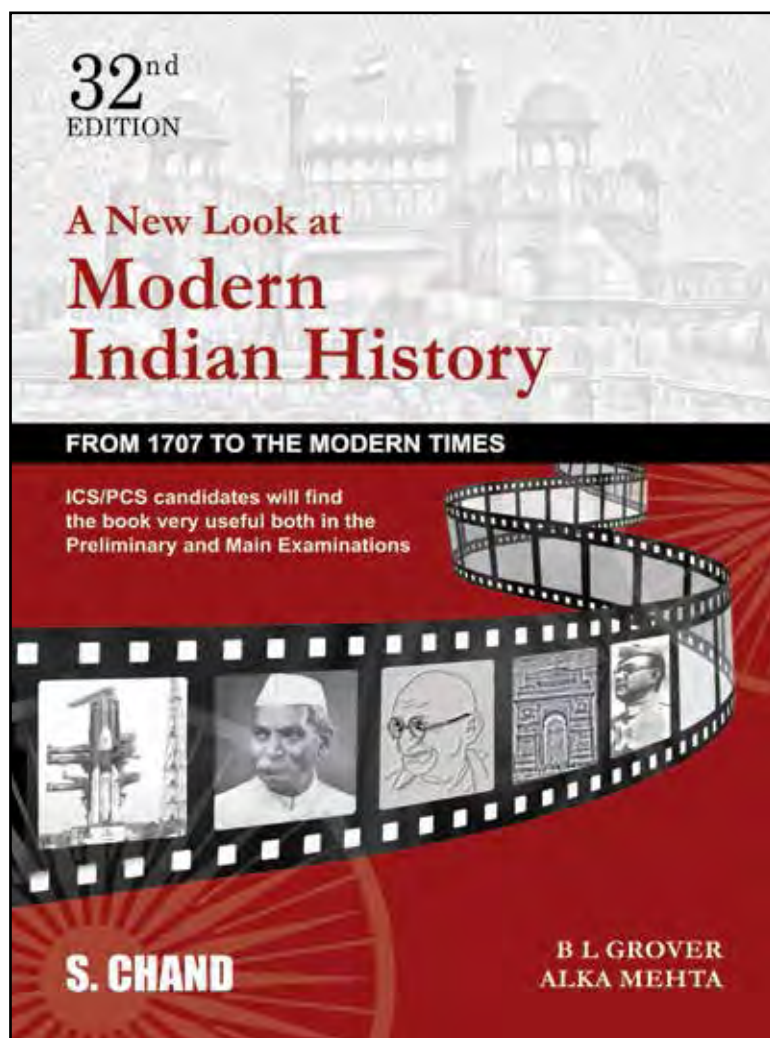
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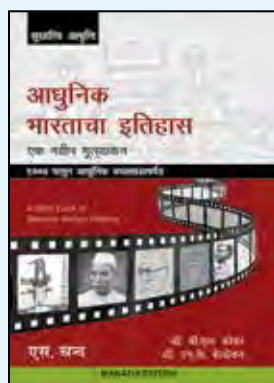
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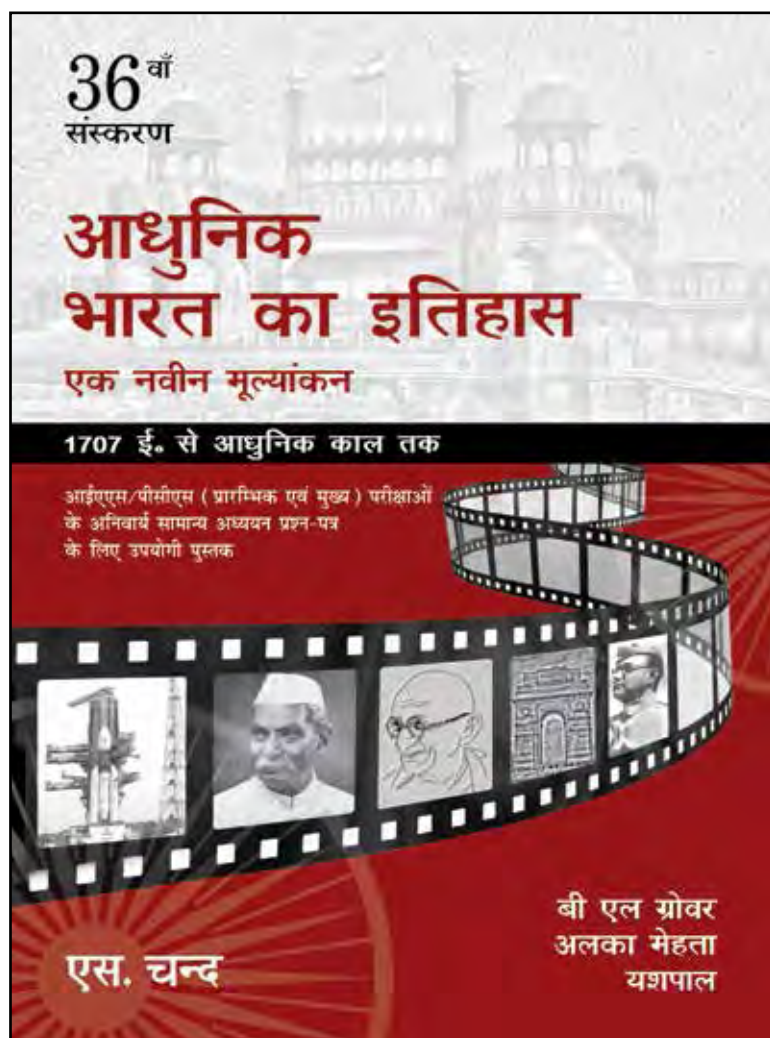


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यह आधुनिक भारत के इतिहास की अत्यन्त लोकप्रिय एवं सबसे अधिक बिकने वाली पुस्तकों में से एक है। इसमें आधुनिक भारत के इतिहास (1707 ई. से आधुनिक काल तक) के विभिन्न पहलुओं की विस्तार से विवेचना की गयी है। इस पुस्तक में न केवल तथ्यात्मक आँकड़ों का समावेश है अपितु इसमें विभिन्न विषयों पर पाश्चात्य एवं भारतीय इतिहासकारों की व्याख्या दी गयी है। यह पुस्तक इतिहास के स्नातक स्तर के विद्यार्थियों के लिए उपयोगी है साथ ही विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अभ्यर्थी भी इससे लाभान्वित होंगे।

प्रमुख विशेषताएँ

- पुस्तक के अन्त में दी गयी 29 परिशिष्टों में भारतीय राष्ट्रीय आन्दोलन, स्वतंत्रता संघर्ष एवं भारतीय राज्य व्यवस्था और अर्थव्यवस्था से सम्बन्धित जानकारी दी गयी है। इनके अलावा, राष्ट्रीय एवं अन्तर्राष्ट्रीय महत्त्व की सामयिक घटनाएँ दी गयी हैं।
- विषय-वस्तु के गहन अध्ययन के लिए प्रत्येक अध्याय के अन्त में चुने हुए संदर्भ भी दिये गये हैं।

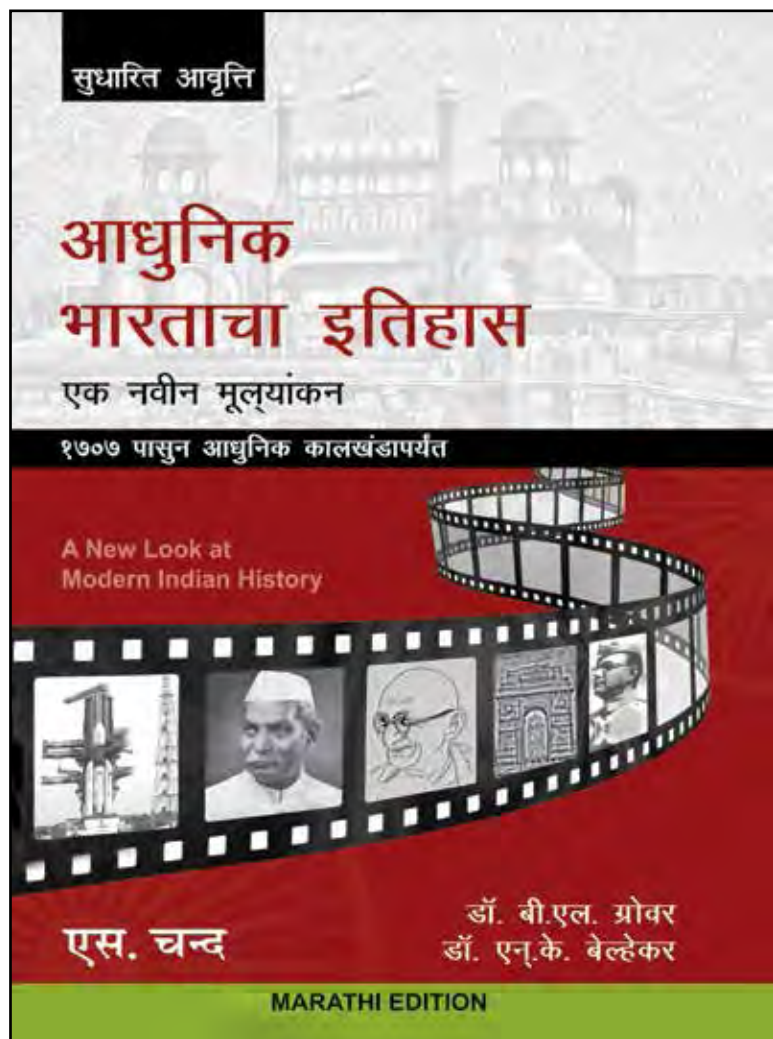
बी एल गोवर, विभाग के प्रमुख- इतिहास, हंस राज कॉलेज, दिल्ली विश्वविद्यालय।

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- III: भारतीय विद्रोह पर कार्ल मार्क्स के विचार





आधुनिक भारताचा इतिहास एक नवीन मूल्यांकन

बी. एल. ग्रोवर एंव
एन्. के. बेल्हेकर

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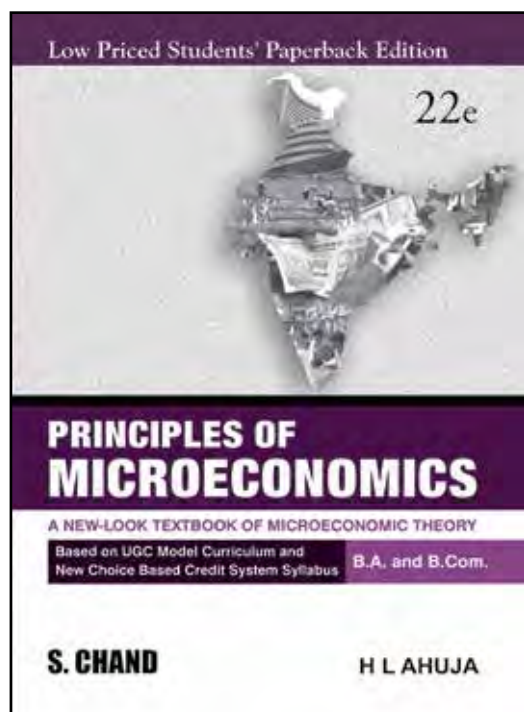
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V D Mahajan, Formerly Professor, History & Political Science, Punjab University, Lahore and Faculty of Law, University of Delhi.



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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



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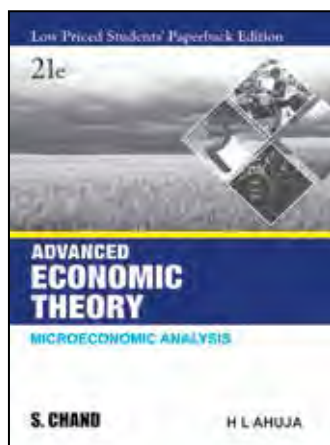
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- Insightful interpretation of evidential sources, theory and disputations
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V D Mahajan, Formerly Professor, History & Political Science, Punjab University, Lahore and Faculty of Law, University of Delhi.



Advanced Economic Theory, 21e

H L Ahuja

About the Book

This authoritative and comprehensive text is an advanced treatise on microeconomics. Featuring simplified mathematical treatment, the book covers a wide spectrum of theories and concepts aimed at effective understanding of advanced economic theory. This revised edition explores further the concept of economic efficiency and the concept of utility and its critique by Prof. Amartya Sen. It further includes an incisive analysis of Hicksian and Slutsky substitution effect. The revision also includes important distinctions and critical analysis of several functions exposing the latest developments in the field.

Key Features

- New Topical Coverage: A critical analysis of economic efficiency under perfect competition and its market failures
- Advanced Treatment of Topics: Discussion on the choice of a risk averter and risk lover under conditions of risk and uncertainty
- Abundant Graphs and Figures: Facilitate understanding and recapitulation of concepts discussed

ISBN: 9789352837335 | Code: 9789352837335 | Price: ₹ 545 | Pages: 1368 | Size: 6.75" X 9.5" (Paperback)

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Business Economics, Microeconomic Analysis 13e

H L Ahuja

About the Book

The book provides conceptual understanding of essential concepts in business life. It details the foundations of business economics with special emphasis on demand analysis and consumer behaviour. It also discusses analysis of production and cost of the firm, market structures and pricing of products, factor pricing and income distribution and concludes with the discussion of capital budgeting. Based on the author's extensive teaching experience, the book champions a collaborative approach to delivering an appropriate textbook that is curriculum relevant.

Key Features

- Syllabi Relevant: Caters to UGC's new CBCS syllabus and also to its earlier Model Curriculum
- New Topics: Study of destination between private and social costs, rule of thumb, for pricing followed under monopoly and imperfect competition, mark up pricing, marginal cost pricing, Ramsey's multi-product pricing, causes of market failure and role of Government intervention to correct market failure. The book also includes a critical analysis of Economic Efficiency under perfect competition.
- Diagrams and Graphs: They clearly illustrate theoretical concepts and enhance understanding of their practical application.

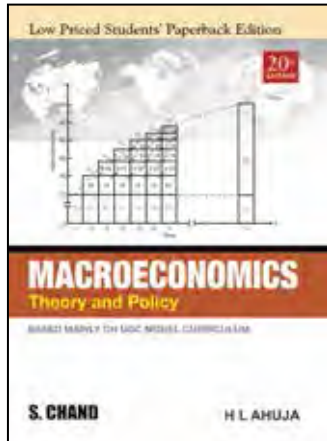
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H L Ahuja, Formerly Associate Professor, Department of Economics, Zakir Husain Delhi College, University of Delhi.



Macroeconomics, 20e

H L Ahuja

Instructor's Resource available

About the Book

This textbook acquaints the students with the latest trends and tendencies in macroeconomics analysis and policy. It keeps in view the macroeconomic environment of the developing economies, especially the emerging Indian economy, while analysing and discussing various theories and policies of macroeconomics. Not confining itself to mere Keynesian macroeconomics, it critically examines the post-Keynesian developments in macroeconomics as well.

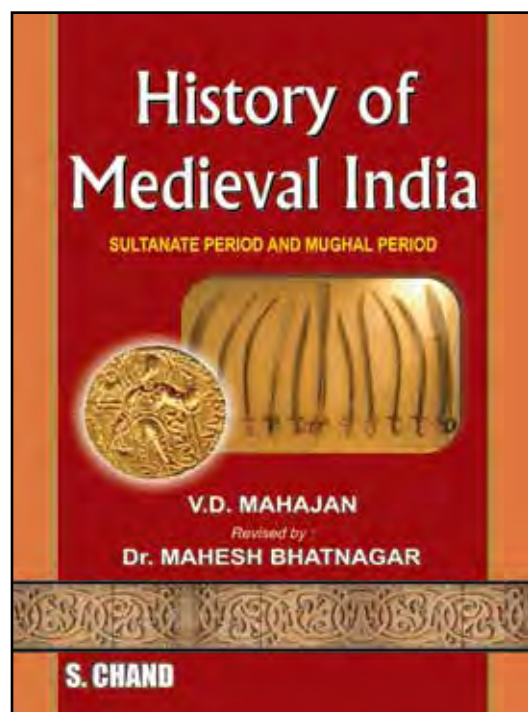
Key Features

- Exclusive coverage on critical examination of Harrod-Domar Model of Growth, Neoclassical Theory of Growth, New Growth Theory and Lewis Model of Development with Surplus Labour
- Inclusion of a chapter on International Economic Linkages and Mundell-Fleming Model to enhance student's understanding of the current impact of globalisation on the Indian economy
- Coverage on Nature of Unemployment and Development Strategies for Labour-Surplus Developing Countries
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History of Medieval India, 11e

V D Mahajan

About the Book

The book provides a comprehensive account of the social, religious and economic conditions and policies from the Sultanate to the Mughal period in early medieval India. It details the account of the three centuries known for its Islamic influence and rule and the presence of formidable dynasties. The book provides a sound understanding of the history of the period and also evinces the learnings of mutual quarrels and internecine war.

Key Features

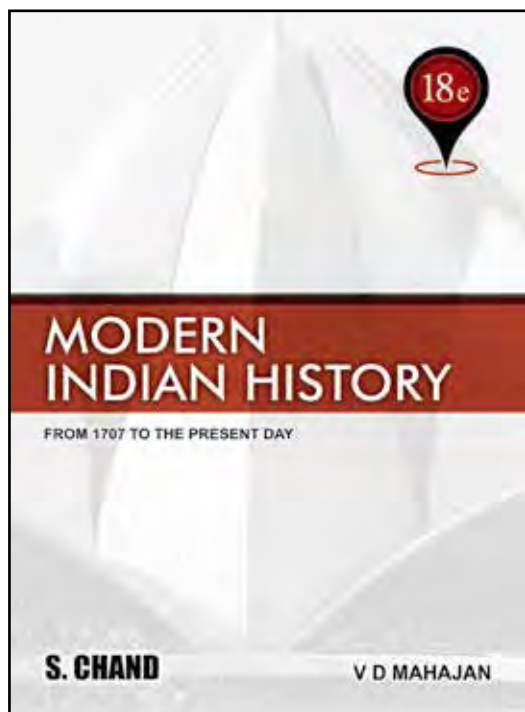
- Over 400 long answer and more than 250 short answer type questions to strengthen understanding
- More than 300 Multiple Choice Questions to test understanding
- Chronological tables for easy recapitulation of successive events

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V D Mahajan, Formerly Professor, History & Political Science, Punjab University, Lahore and Faculty of Law, University of Delhi.



Modern Indian History, 18e

V D Mahajan

About the Book

Written in an easy-to-understand language, this informative and well-written textbook provides an interpretive and comprehensive account of the history of modern India from 1707 to the present day.

Organised into 44 chapters in two parts, the textbook commences with a discussion on the decline and disintegration of the Mughal Empire and walks us through the advent of Europeans and the phases of British imperialism. It also provides a detailed discussion on the important aspects of Indian National Movement introducing contributions of prominent leaders of the Movement. It is fortified with questions at the end of each chapter to help students prepare for the examinations. Besides the students of History and Law, this textbook would also be of immense value to the aspirants of various competitive examinations, especially IAS, PCS and NET

Key Features

- Balanced account of historical transition from 1707 to the modern times
- Insightful interpretation of evidential sources, theory and disputations of events of historical importance
- Interesting exposition of impact of British rule on political, social, cultural, linguistic and economic spheres

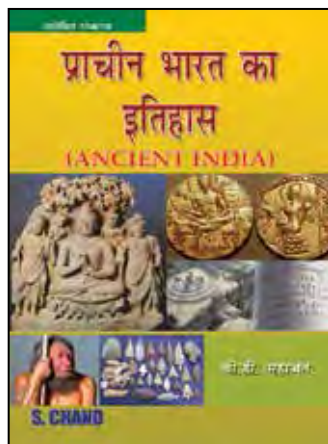
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V D Mahajan, Formerly Professor, History & Political Science, Punjab University, Lahore and Faculty of Law, University of Delhi



प्राचीन भारत का इतिहास

वी डी महाजन

पुस्तक के विषय में

इस पुस्तक में सभ्यताओं की उत्पत्ति से लेकर आरम्भिक मध्य युग तक प्राचीन भारत के इतिहास का वर्णन है। इसमें सभ्यताओं के स्रोत एवं कालक्रम का विवरण दिया गया है साथ ही विभिन्न युगों के कार्य, उनकी उपलब्धियों, सफलताओं एवं असफलताओं पर भी प्रकाश डाला गया है। इस पुस्तक में भारत की विशिष्ट सांस्कृतिक, धार्मिक एवं सामाजिक विविधताओं को दर्शाया गया है। प्राचीन भारत के इतिहास के विद्यार्थियों के अलावा यह पुस्तक विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अभ्यर्थियों के लिए भी उपयोगी है।

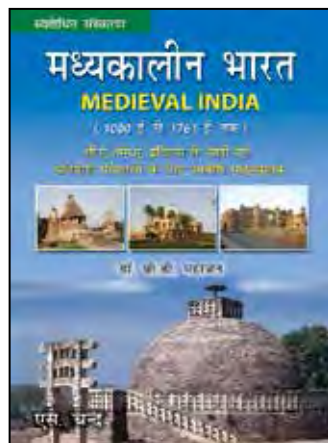
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मध्यकालीन भारत

वी डी महाजन

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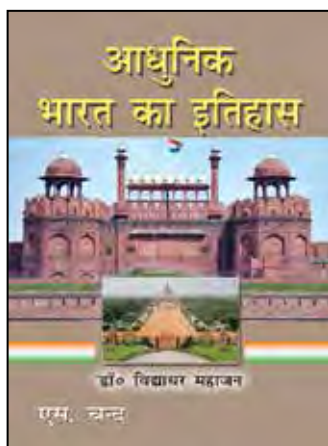
भारत के प्रस्तुत संशोधित संस्करण में देश के विभिन्न विश्वविद्यालयों के नवीनतम पाठ्यक्रमों तथा विभिन्न प्रतियोगिता परीक्षाओं के पाठ्यक्रमों को दृष्टि में रखते हुए आवश्यक संशोधन किए हैं। पुस्तक के इस संस्करण में भाषा को अधिक सरल और प्रवाहपूर्ण बनाकर प्रस्तुत किया गया है। पुस्तक के पुराने अध्यायों को नया रूप दिया गया है तथा उनमें कुछ विस्तार किया गया है। मध्यकालीन भारतीय इतिहास संबंधित जो भी महत्वपूर्ण सामग्री हो सकती है, उसे इस संशोधित एवं परिवर्धित संस्करण में शामिल किया गया है। प्रत्येक अध्याय के अन्त में दीर्घ उत्तरीय, लघु उत्तरीय और बहुविकल्पीय वस्तुनिष्ठ प्रश्नों की संख्या में भी पर्याप्त वृद्धि की गई है, जोकि विद्यार्थियों के लिए बहुत उपयोगी सिद्ध होगी। इस पुस्तक के प्रथम अध्याय में पर्याप्त संशोधन किए गए हैं। इस अध्याय के महत्व को दृष्टि में रखते हुए इसे अत्यधिक सरल एवं रोचक ढंग से प्रस्तुत किया गया है। प्रस्तुत पुस्तक के दो भाग 'दिल्ली सल्तनत' तथा 'मुगलकाल' की समाप्ति पर अत्यन्त महत्वपूर्ण परिशिष्ट प्रस्तुत किए गए हैं। जो विद्यार्थियों के लिए मध्यकालीन इतिहास के अध्ययन की दृष्टि से बहुत उपयोगी सिद्ध होंगे।

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भाग-1: सल्तनत काल: 1. मध्यकालीन भारतीय इतिहास के स्रोत, 2. इस्लाम का उत्कर्ष, 3. अरबों द्वारा सिन्ध की विजय से पूर्व भारत की दशा, 4. अरबों द्वारा सिन्ध की विजय, 5. मुसलमानों के आक्रमण के समय का भारत, 6. गजनी वंश का अभ्युदय और पतन, 7. मुहम्मद गौरी अथवा गुर वंश का मुहम्मद, 8. दास वंश, 9. खिलजी वंश, 10. भारत पर मंगोल आक्रमण, 11. तुगलक राजवंश, 12. सैय्यद वंश (सन् 1414-51 ई.), 13. लोदी वंश और दिल्ली सल्तनत का पतन, 14. विजयनगर और बहमनी साम्राज्य, 15. दिल्ली सल्तनत की शासन व्यवस्था, 16. सल्तनत काल में स्थापत्य एवं साहित्य, 17. सल्तनत काल में सामाजिक तथा आर्थिक जीवन, 18. भक्ति आन्दोलन एवं सूफीवाद, 19. भारत पर मुस्लिम विजय का प्रभाव, 20. मध्यकालीन भारत में शासन का स्वरूप, **भाग-2: मुगलकालीन भारत:** 1. बाबर के आक्रमण से पूर्व भारत की दशा, 2. जहीरुद्दीन मुहम्मद बाबर (सन् 1526-30 ई.), 3. हुमायूँ (1530-1556 ई.), 4. शेरशाह सूरी और उसके उत्तराधिकारी, 5. अकबर (सन् 1556-1605 ई.), 6. जहाँगीर, 7. शाहजहाँ (सन् 1627-1658 ई.), 8. औरंगजेब (सन् 1658-1707 ई.), मराठा शक्ति का अभ्युदय और विकास, 10. सिक्खों की शक्ति का अभ्युदय और विकास, 11. मुगल शासन-प्रणाली, 12. मुगलकालीन कला और साहित्य, 13. मुगलकालीन भारत की सामाजिक व आर्थिक अवस्था, 14. मुगल सम्राटों की धार्मिक-नीति, 15. मुगल सम्राटों की दक्षिण-नीति, 16. मुगल साम्राज्य का पतन तथा विघटन, 17. अठारहवीं शताब्दी में समाज और संस्कृति, 18. मुगल काल का इतिहास और उसके इतिहासकार

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आधुनिक भारत का इतिहास 11e

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पुस्तक के विषय में

इस पुस्तक में आधुनिक भारत के इतिहास (1707 से वर्तमान समय तक) का एक विस्तृत विवरण दिया गया है। इसकी भाषा-शैली अत्यन्त सरल और सुबोध है जिससे विद्यार्थी विषय-वस्तु को आसानी से आत्मसात कर सकें। इस पुस्तक में मुगल साम्राज्य के पतन तथा विघटन के कारणों का उल्लेख करते हुए भारत में यूरोपीय जातियों के आगमन की समीक्षा की गयी है तथा ब्रिटिश साम्राज्यवाद के विभिन्न चरणों पर प्रकाश डाला गया है। इसमें भारतीय राष्ट्रीय आन्दोलन के महत्वपूर्ण पहलुओं पर भी चर्चा की गयी है। यह पुस्तक आधुनिक भारत के इतिहास के स्नातक तथा परास्नातक कक्षाओं के विद्यार्थियों के लिए उपयोगी है। इनके अलावा, विभिन्न प्रतियोगी परीक्षाओं में सम्मिलित हो रहे अर्थव्यर्थी भी इससे लाभान्वित होंगे।

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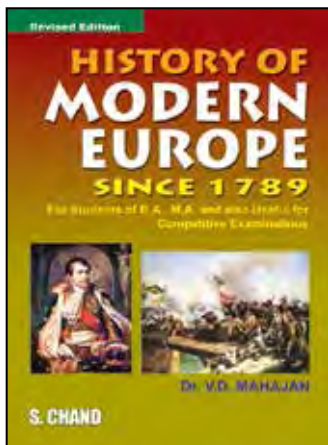
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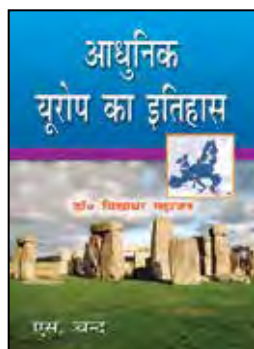
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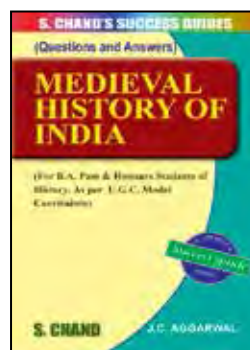
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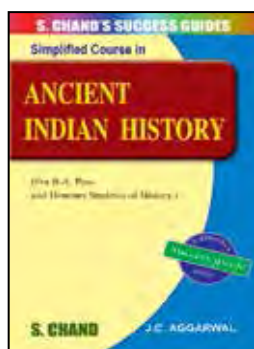
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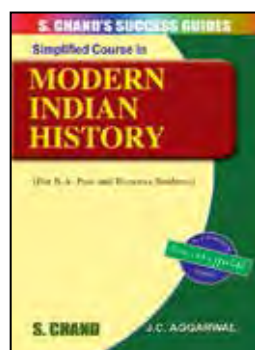
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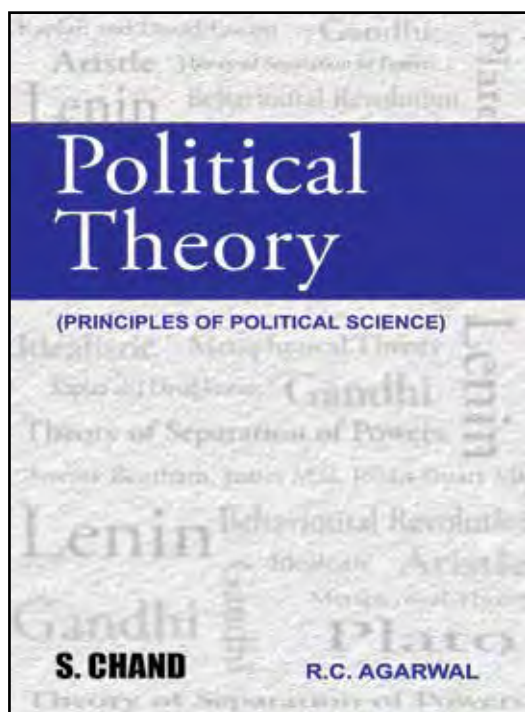
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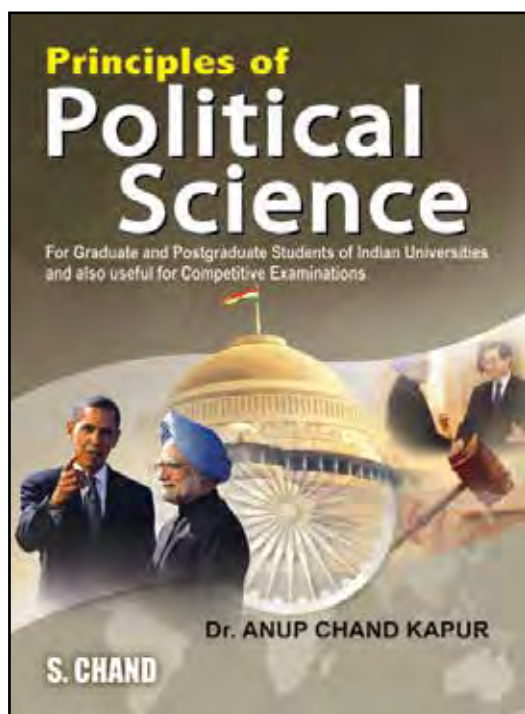
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Anup Chand Kapur

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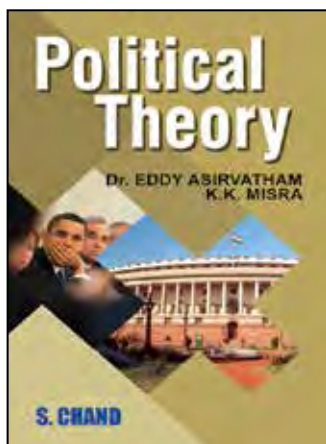
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 31. Gandhian Way of Life
- Index

Anup Chand Kapur, Head of Department - Political Science, Guru Nanak Dev University, Amritsar.



Political Theory

Eddy Asirvatham & K K Misra

About the Book

This text is a classic in Indian political literature as the original author belongs to the Idealist school of great political thinkers such as T H Green and Bosanquet. It is a comprehensive treatise on basic structure of established political theories, be it Bosanquet's idealistic theory of the State to liberal and anti-idealist view, as expressed by L T Hobhouse, to the Marxian theory of the State. The textbook follows an ideological approach where it rejects the attitude of those behaviourists who place undue emphasis on methods, techniques and skills rather than on first principles and value judgements. It is developed for the undergraduate students of Political Science (Pass and honours courses). Aspirants of various competitive examinations such as Civil Services Examination and state public service commission examinations will also find the book extremely useful.

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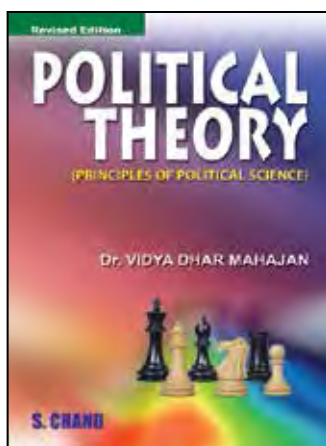
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Eddy Asirvatham, Formerly Professor of Political Science and Public Administration.

K K Mishra, Formerly Reader, Hindu College, Delhi University, Delhi.



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Vidya Dhar Mahajan

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Political Theory is a comprehensive study on the subject providing an insight into latest thinking by the contemporary political scientists. It introduces the students to various political theories, their evolution and approaches and an assessment of their critical and contemporary trends. It also helps in reconciling political theory and practice through reflections on the ideas and practices related to welfare state, Fascism, Nazism, democracy, nationalism, internationalism and imperialism. It is developed for the undergraduate students of Political Science (Pass and honours courses). Aspirants of various competitive examinations such as Civil Services Examination and state public service commission examinations will also find the book extremely useful.

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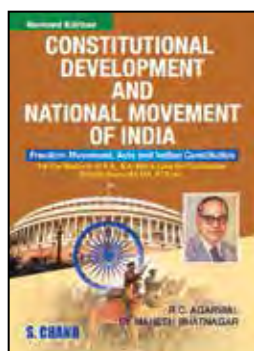
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V D Mahajan, Formerly Professor, History & Political Science, Punjab University, Lahore and Faculty of Law, University of Delhi.



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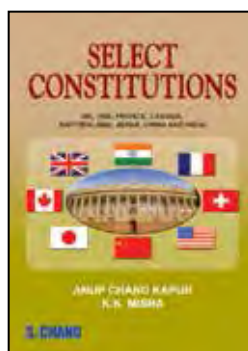
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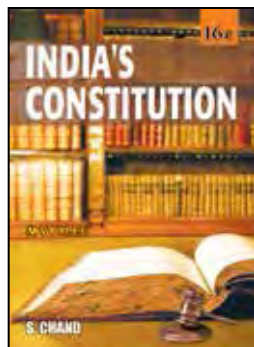
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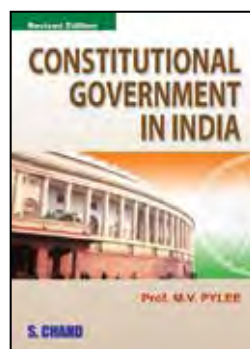
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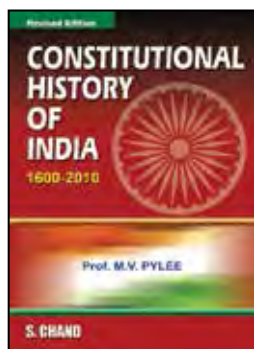
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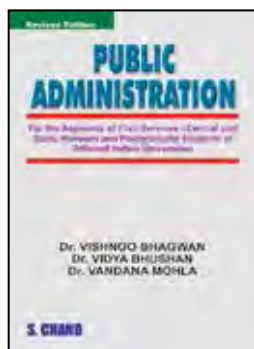
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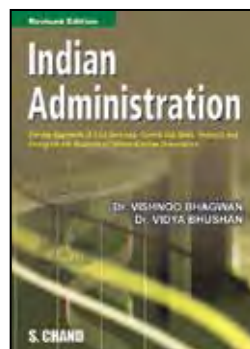
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Books for Kannada



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B K Dattatri

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Price: ₹ 325 | Pages: 484

Size: 6.75" X 9.5" (Paperback)

About the Book

This Textbook of Political Theory is written for the students pursuing their under graduate and post-graduate degree courses in Political Science at all the Universities in Karnataka. The book covers most of the topics mentioned in the latest syllabi of Universities in the state. Political theory is one of the basic papers at undergraduate and post graduate levels in Political science. This book would serve as a reliable source for teachers and students and the material is presented in a student-friendly style making it easy to understand difficult concepts.

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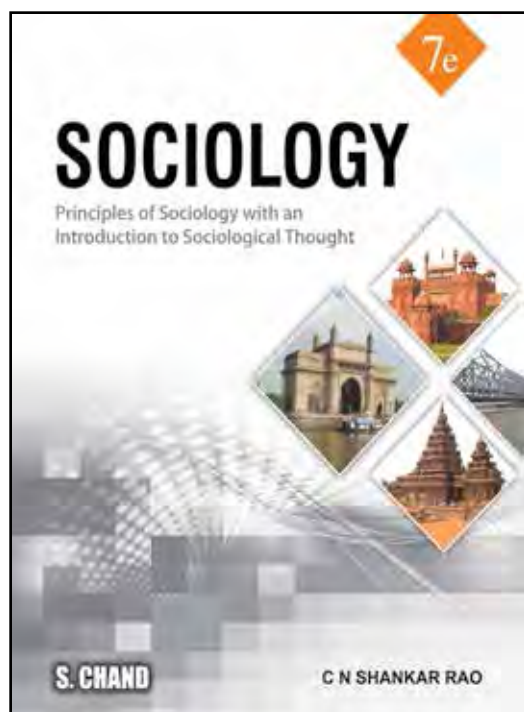
- Imparting knowledge about the growth of political theory and basic concepts. Various theories leading to the basic concepts are critically analysed.
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Dr. Meena Deshpande, has more than three decades of teaching and research experience, presently working as Professor of Political Science in Bangalore University. She is honorary editor of Mahatma Gandhi Translation Project of Bharatiya Vidya Bhavan Bangalore Kendra since 1996, where the Collected Works of Mahatma Gandhi are being translated into Kannada; the first 24 volumes are published. She was also a Fellow at the Institute for Studies in Industrial Development (ISID), New Delhi. She has co-authored a book in English on Contemporary Political Theory published by P.H.I Publishers which is a prescribed text and reference book across India and surrounding countries.

B.K.Dattatri (1951-2018) passed out of Mysore University securing fourth rank and joined the department of collegiate education, and served as lecturer and professor in various colleges in Karnataka. He has attended various refresher courses in the country and has served as resource person in Karnataka Pre-university Board. In 1989, he has undertaken research on Karnataka Public Service Commission and has delivered lectures in District Training Centre in Hassan. From October 2005 to June 2007, served as the coordinator of the Political Science Department in the newly started Tumkuru University. He retired from service in 2011.



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C N Shankar Rao

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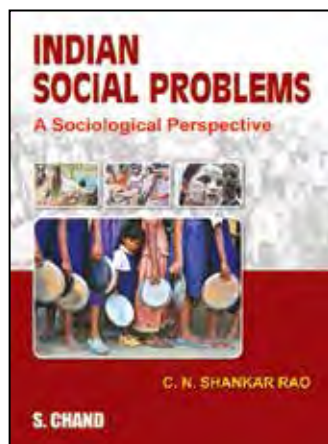
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C N Shankar Rao, Canara Pre-University College, Mangalore.



Indian Social Problems

C N Shankar Rao

About the Book

This book entitled '*Indian Social Problems: A Sociological Perspective*' provides a glimpse of many social problems that have been haunting the Indian society since years, decades, and even centuries.

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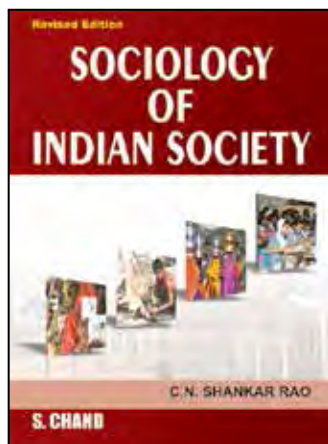
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C N Shankar Rao

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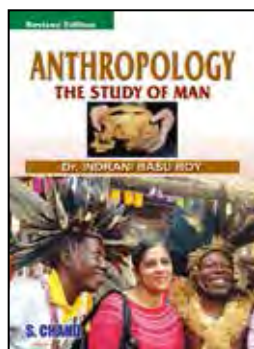
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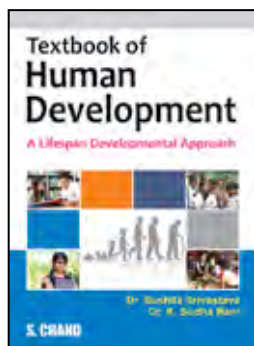
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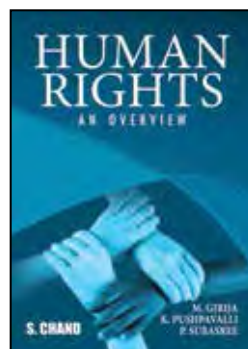
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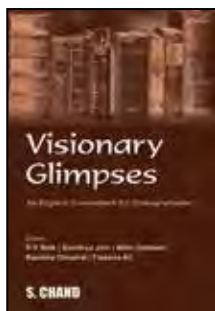
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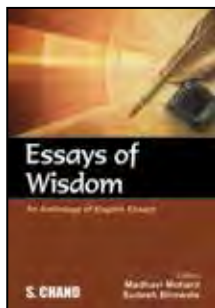
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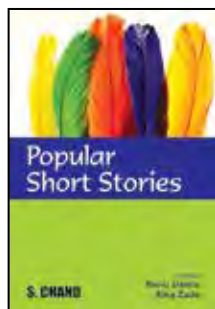
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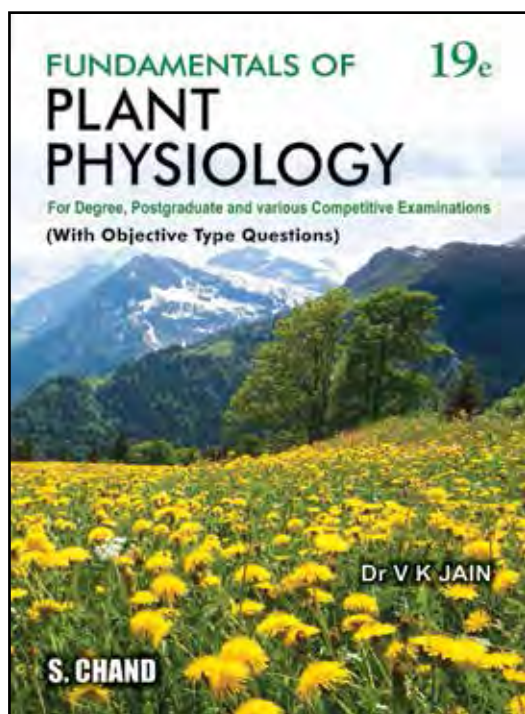
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V K Jain

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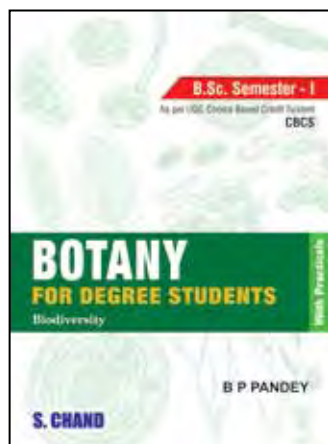
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V K Jain, Formerly Head of Department - Botany, Multanimal Modi (Postgraduate) College, Modinagar, Uttar Pradesh.



Botany for Degree Students, B.Sc. Semester - I

B P Pandey



About the Book

This textbook has been designed to meet the needs of BSc First Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints students with general characteristics, classification and economic importance of various divisions of biodiversity i.e., Microbes, Algae, Fungi and Archegoniate. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

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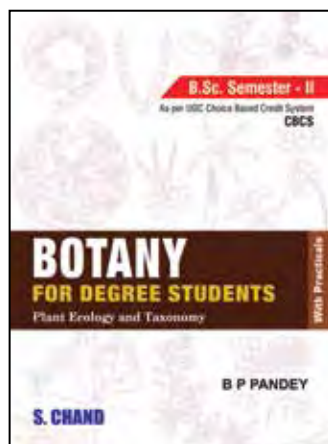
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B P Pandey, Formerly Reader and Head of Department - Botany, J.V. College, Baraut.



Botany for Degree Students, B.Sc. Semester - II

B P Pandey



About the Book

This textbook has been designed to meet the needs of BSc Second Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints students with abiotic and biotic components of the ecosystem and their interactions at different levels. It also covers origin of angiosperms, their phylogeny and classification using various methods. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

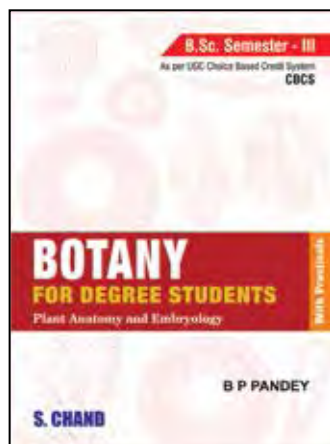
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Botany for Degree Students, B.Sc. Semester - III

B P Pandey



About the Book

This textbook has been designed to meet the needs of B.Sc. Third Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints students with the tissue system, anatomy of stems, roots & leaves and secondary growth. It explains adaptive & protective systems and structural organization of a flower. Besides, the book also covers pollination, fertilization, development of endosperm and embryo, apomixis and polyembryony. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

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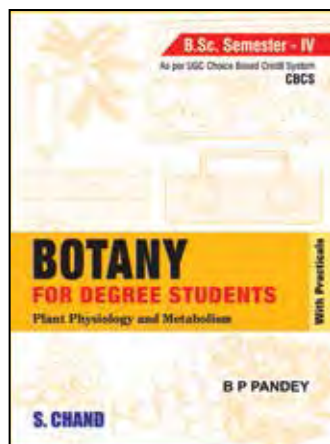
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B P Pandey, Formerly Reader and Head of Department - Botany, J.V. College, Baraut.



Botany for Degree Students, B.Sc. Semester - IV

B P Pandey



About the Book

This textbook has been designed to meet the needs of BSc Fourth Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints the students with plant-water relations and throws light on mineral nutrition. It also covers translocation in phloem, photosynthesis, respiration and enzymes. In addition to these, the book also deals with the nitrogen and lipid metabolism, plant growth regulators and plant response to light and temperature. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

Key Features

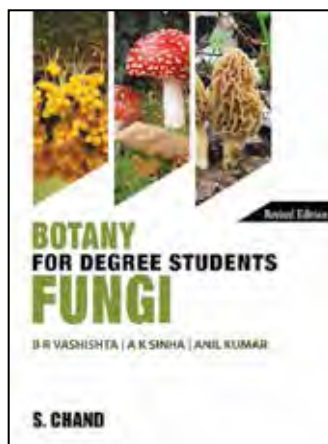
- Enriched with more than 150 well-labelled diagrams for easy understanding of the concepts
- Engaging chapter-end exercises, having more than 675 questions, for practice
- Collection of experiments at the end of the book to stimulate interest, aid in learning and memorize the practical aspect of the subject
- Glossary of important terms at the end of the book

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Plants Physiology and Metabolism: 1. Plant-Water Relations, 2. Mineral Nutrition, 3. Translocation in Phloem, 4. Photosynthesis, 5. Respiration, 6. Enzymes, 7. Nitrogen Metabolism, 8. Lipid (Fat) Metabolism, 9. Plant Growth Regulators, 10. Plant Response to Light and Temperature, **Practical:** 1. Plant Physiology: Laboratory Exercises, 2. Methods of Biochemical Analysis, 3. Biochemistry: Laboratory Exercises

B P Pandey, Formerly Reader and Head of Department - Botany, J.V. College, Baraut.



Botany for Degree Students: FUNGI

B R Vashishta, A K Sinha & Anil Kumar

Multicolour
Edition

About the Book

This comprehensive and well known textbook deals with the characteristics, classification and life cycle of different species of fungi. While it provides a detailed account of bacteria, viruses, mycoplasma and lichens, it also discusses elementary plant pathology.

Key Features

- Throws light on Whittaker's five kingdom system and beyond, economic importance of fungi and recent developments in fungal taxonomy (AFTOL)
- Includes a chapter on plant parasitic nematodes discussing briefly their life cycle, common symptoms and control measures
- Pedagogically enriched with close to 1000 coloured diagrams and images as well as chapter-end exercises

ISBN: 9789352533008 | Code: 9789352533008 | Price: ₹ 550 | Pages: 812 | Size: 6.75" X 9.5" (Paperback)

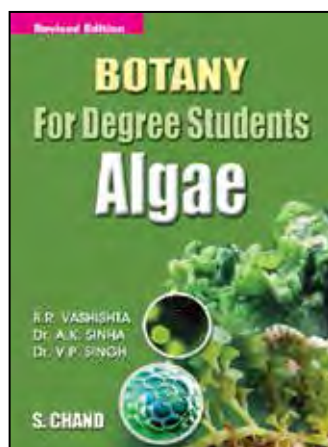
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Section-I: Division Mycota: 1. The Fungi: General Characters and Classification, 2. Subdivision: Myxomycotina, Class: Myxomycetes, 3. Subdivision: Eumycotina, The Lower Fungi (Phycomycetes), 4. Subdivision: Eumycotina, Class: Chytridiomycetes, 5. Subdivision: Eumycotina, Class: Plasmodiophoromycetes, 6. Subdivision: Eumycotina, Class: Oomycetes, 7. Subdivision: Eumycotina, Class: Zygomycetes, 8. Subdivision: Eumycotina, The Higher Fungi, 9. Subclass: Hemiascomycetidae (Yeasts), 10. Subclass: Euascomycetidae, Series —Plectomycetes, 11. Subclass: Euascomycetidae, Series — Hymenoascomycetes, 12. Subclass: Euascomycetidae, Sub-Series: Discomycetes, 13. The Higher Fungi, Class: Basidiomycetes, 14. Subclass: Heterobasidiomycetidae, 15. Subclass: Homobasidiomycetidae, 16. Class: Deuteromycetes (Fungi Imperfecti), 17. Fungi: General Topics and Discussion, Section-II: Schizomycota, Viruses and Mycoplasma: 18. Schizomycota: Bacteria, 19. Viruses, Viroids and Mycoplasma, Section-III: Lichens: 20. Lichens, 21. Principles of Plant Pathology, 22. Examples of Important Plant Diseases, 23. Plant Parasitic Nematodes • *Selected Bibliography* • *Index*

B R Vashishta, Formerly Reader, Department of Botany, Punjab University.

A K Sinha, Formerly Reader and Head of Department - Botany, Feroze Gandhi Postgraduate College (Kanpur University), Raebareli, Uttar Pradesh.

Anil Kumar, Associate Professor, Department of Botany, Feroze Gandhi Postgraduate College (Kanpur University), Raebareli, Uttar Pradesh.



Botany for Degree Students: ALGAE

B R Vashishta, A K Sinha & V P Singh

Multicolour
Edition

About the Book

It is a part of five book series on Botany for Degree Students. The revised edition of *Botany for Degree Students- Algae* deals with the important system of classification of the plant kingdom, an account of thallophytes, life histories of important representatives of each class of algae and various aspects of the life cycles of algae. Coverage of latest researches in the current edition of the book make it more useful for students appearing in competitive examinations.

Key Features

- Discussion on new topics such as Protochlorophyta, Toxic Algae, colourless Algae, Biofertilisers, Cyanophages, Bioluminescence and genera Microcystis and Navicula in the
- Relevant and well labelled diagrams to illustrate various stages in the life histories of the representative types
- Rich pedagogy comprising chapter-end features such as list of diagnostic features of important types and graphic representation of their life histories and variety of revision questions (Essay, short and objective type questions)

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Contents

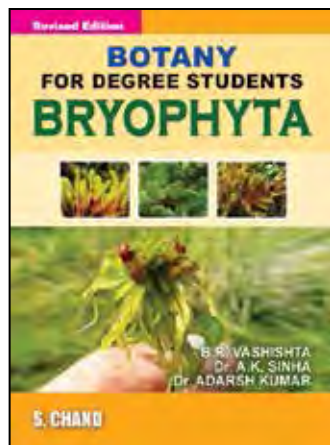
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B R Vashishta, Formerly Reader, Biology Study Group, Department of Botany, Punjab University, Chandigarh and Head of Department - Botany, Multanmodal Modi College, Modi Nagar.

A K Sinha, Formerly Reader and Head of Department - Botany, Feroze Gandhi Postgraduate College (Kanpur University), Rae Bareilly, Uttar Pradesh.

V P Singh, Reader, Department of Botany, Feroze Gandhi Postgraduate College (Kanpur University), Rae Bareilly, Uttar Pradesh.



Botany for Degree Students: BRYOPHYTA

B R Vashishta, A K Sinha & Adarsh Kumar



About the Book

It is a part of five book series on *Botany for Degree Students*. The revised edition of Botany for Degree Students-Bryophyta deals with a small group of primitive, thalloid plants which are amphibious in habit. The text presents latest and significant results of botanical researches in an organised, lucid and cogent manner. This book is suitable for both undergraduate and postgraduate courses.

Key Features

- Diagrammatic representation of the life cycle of each type giving a clear picture of the pattern of Alternation of Generations
- Discussion of salient features of the division and its classes down to the orders and the type plants and their life histories at the end of respective chapters
- Engaging chapter-end exercises to test and strengthen understanding

ISBN: 9788121935692 | Code: 1003A00393 | Price: ₹ 599 | Pages: 528 | Size: 6.75" X 9.5" (Paperback)

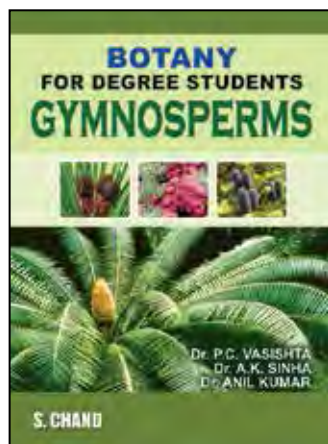
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B R Vashishta, Formerly Reader, Department of Botany, Punjab University.

A K Sinha, Formerly Reader and Head of Department - Botany, Feroze Gandhi Postgraduate College (Kanpur University), Raebareilly, Uttar Pradesh.

Adarsh Kumar, Reader in Botany, Feroze Gandhi Postgraduate College, (Kanpur University), Rae Bareilly, Uttar Pradesh.



Botany for Degree Students: GYMNOSPERMS

P C Vashishta, A K Sinha & Anil Kumar

Multicolour
Edition

About the Book

It is a part of five book series on Botany for Degree Students. The revised edition of *Botany for Degree Students-Gymnosperms* deals with the morphology and reproduction of both living and fossil gymnosperms. The text presents latest and significant results of botanical researches in an organised, lucid and cogent manner. This book is suitable for both undergraduate and postgraduate courses.

Key Features

- Inclusion of a chapter, General Topics (Chapter 18) dealing with contemporary topics such as Experimental Embryology, Biotechnology and many more
- Over 400 figures for easy understanding
- More than 500 chapter-end exercise questions to test and strengthen understanding

ISBN: 9788121926188 | Code: 1003A00338 | Price: ₹ 499 | Pages: 592 | Size: 6.75" X 9.5" (Paperback)

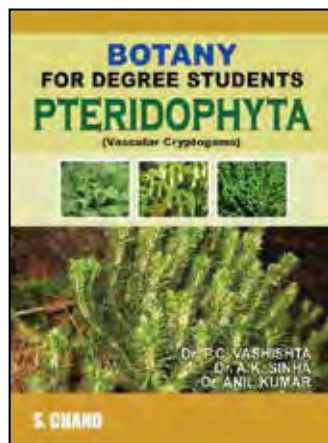
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P C Vashishta, Formerly Principal, Government College, Chandigarh and DAV College, Hoshiarpur.

A K Sinha, Formerly Reader and Head of Department - Botany, Feroze Gandhi Postgraduate College (Kanpur University), Rae Bareilly, Uttar Pradesh.

Anil Kumar, Professor, Department of Botany, Feroze Gandhi Postgraduate College (Kanpur University), Rae Bareilly, Uttar Pradesh.



Botany for Degree Students: PTERIDOPHYTA (Vascular Cryptogams)

P C Vashishta, A K Sinha & Anil Kumar

Multicolour
Edition

About the Book

It is a part of five book series on Botany for Degree Students. The revised edition of *Botany for Degree Students-Pteridophyta* provides detailed account of the structure and reproduction of the representative types of vascular cryptogams in a simple and lucid style. It is useful for both undergraduate as well as post-graduate courses as it provides information from various recent researches and works in the field.

Key Features

- New chapter discussing topics such as Fossil Lycopods, Fossil Sphenophytes, Biotechnology and tissue culture studies in pteridophytes
- Diagrams to facilitate understanding of the various aspects of vascular plants
- Wide range of engaging chapter-end exercises as per the new format of examination papers of various universities

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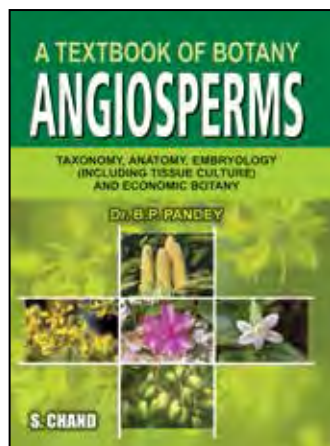
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B R Vashishta, Formerly Reader, Department of Botany, Punjab University.

A K Sinha, Formerly Reader and Head of Department - Botany, Feroze Gandhi Postgraduate College (Kanpur University), Raebareli, Uttar Pradesh.

Anil Kumar, Associate Professor, Department of Botany, Feroze Gandhi Postgraduate College (Kanpur University), Raebareli, Uttar Pradesh.



A Textbook of Botany: **ANGIOSPERMS**

B P Pandey

About the Book

This textbook presents a comprehensive treatment of Angiosperms by discussing its vital components, Taxonomy, Anatomy, Embryology including Tissue Culture and Economic Botany. Written in a simple and lucid style, it has abundance of relevant illustrations with self-explanatory diagrams. Information on new angiospermic families enhances the utility of the book. It caters primarily to the requirements of undergraduate students of Botany and would also be a useful source of reference for postgraduate students & candidates appearing for several competitive examinations.

Key Features

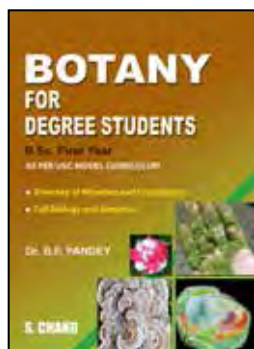
- Addition of two chapters in revised edition, namely, Pharmacognosy and Morphogenesis- Plant Tissue and Organ Culture
- Robust book-end question bank comprising nearly 600 questions- long answer, short answer, simple & multiple choice questions and Civil Services Examination questions

ISBN: 9788121904049 | Code: 1003B00118 | Price: ₹ 650 | Pages: 1,008 | Size: 6.75" X 9.5" (Paperback)

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B P Pandey, Formerly Reader and Head of Department - Botany, J.V. College, Baraut.



Botany for Degree Students (For B.Sc. First Year)

B P Pandey

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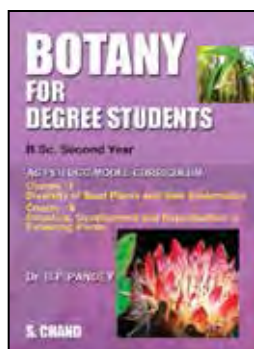
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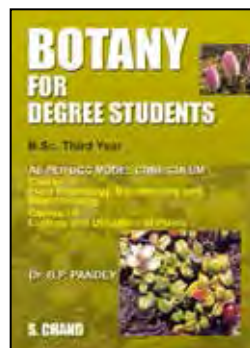
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Botany for Degree Students (For B.Sc. Third Year)

B P Pandey

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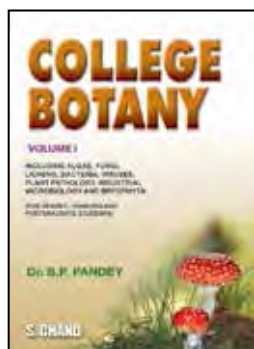
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College Botany Volume I

B P Pandey

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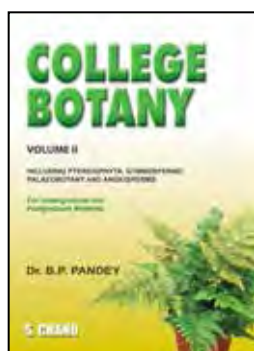
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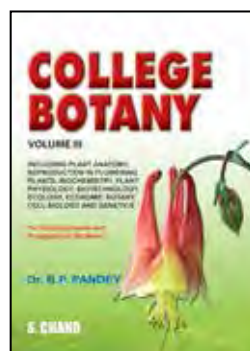
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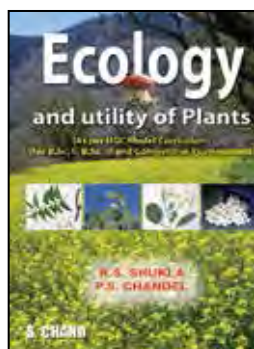
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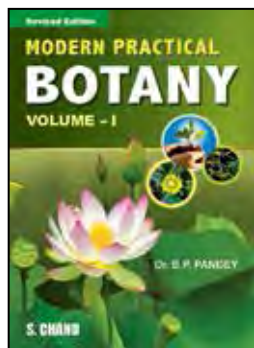
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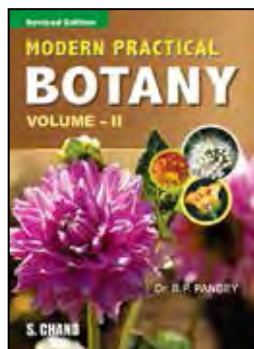
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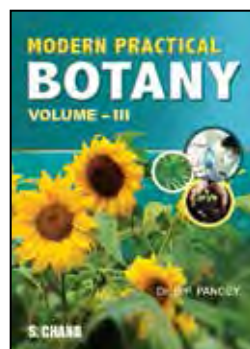
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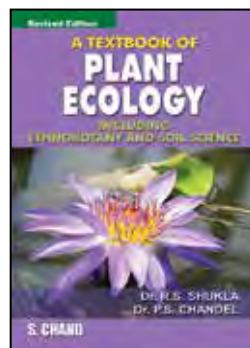
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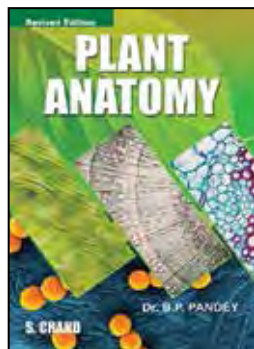
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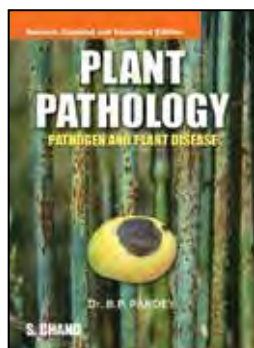
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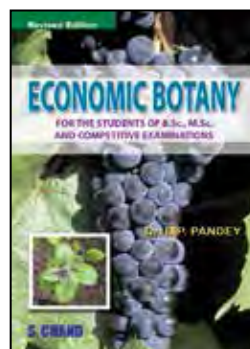
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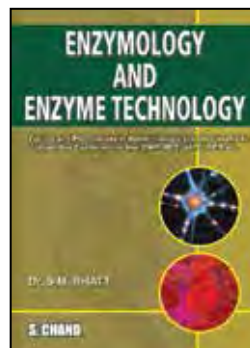
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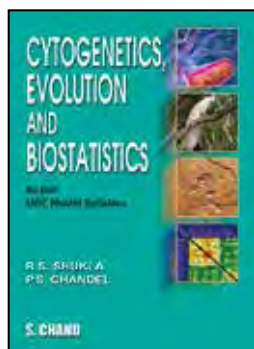
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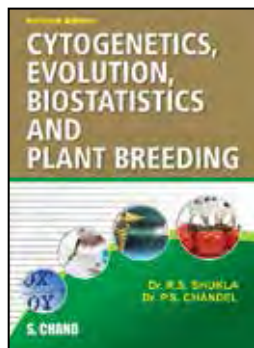
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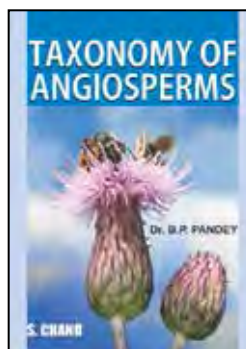
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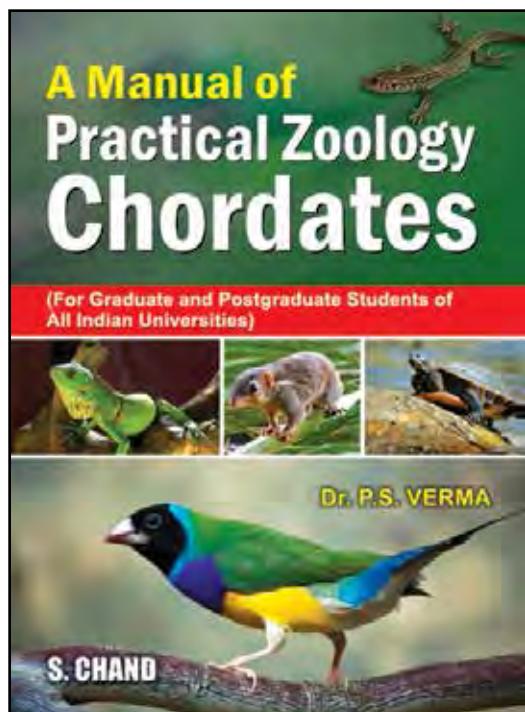
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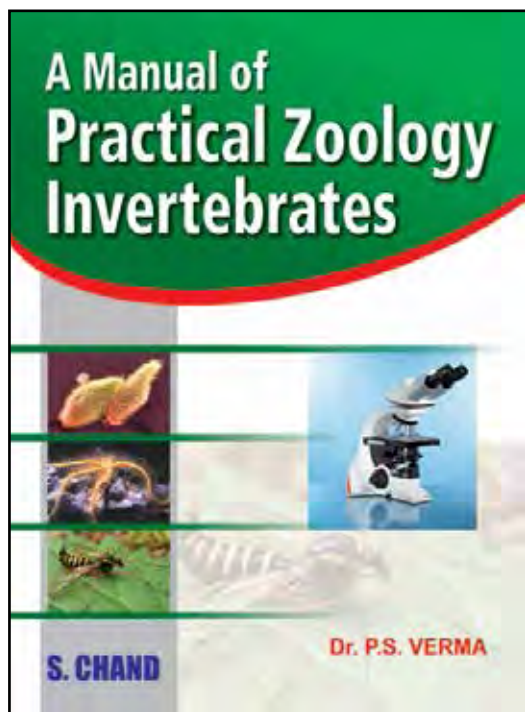
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P S Verma, Formerly Reader, Department of Zoology, Meerut College, Meerut.

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The book provides discussion on all aspects of Invertebrates as covered in Practical Zoology. Beginning with general techniques of preparation of cultures of Protozoa, microscopic slides and laboratory reagents, it also covers in tabular and detailed form, recent classification of various invertebrate phyla with examples of each order or suborder. Wide coverage of each phylum, and diagrams of major and minor dissections make the book equally useful for both undergraduate and postgraduate students.

Key Features

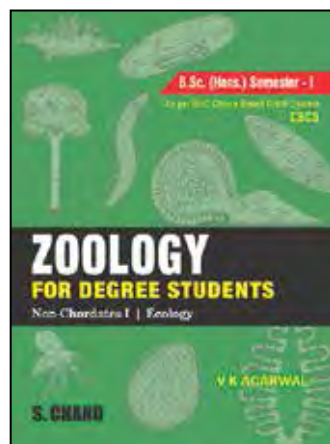
- Inclusion of new chapters on Cytological Preparations and Genetical Exercises
- Addition of new dissections, museum specimens and permanent slides in respective chapters
- Habits, habitat and distribution provided in description of animals to familiarize students with natural environment and way of living of animal
- Over 500 figures to facilitate understanding

ISBN: 9788121908290 | Code: 1003B00032 | Price: ₹ 450 | Pages: 512 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | |
|---------------------------------------|------------------------------|
| 1. General Directions | 12. Phylum: Platyhelminthes |
| 2. Microscopes | 13. Phylum: Aschelminthes |
| 3. Preparation of Laboratory Reagents | 14. Phylum: Annelida |
| 4. Culture Methods | 15. Phylum: Arthropoda |
| 5. Dissections | 16. Phylum: Mollusca |
| 6. Preparation of Permanent Slides | 17. Phylum: Echinodermata |
| 7. Important Mountings | 18. Minor Phyla |
| 8. Phylum: Protozoa | 19. Phylum: Hemichordata |
| 9. Phylum: Porifera | 20. Cytological Preparations |
| 10. Phylum: Coelenterata | 21. Genetical Exercises |
| 11. Phylum: Ctenophora | |

P S Verma, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Zoology for Degree Students, B.Sc. (Hons.) Semester - I

V K Agarwal

About the Book

This textbook has been designed to meet the needs of B.Sc. (Hons.) First Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Acoelomate Non-Chordates along with Protista, and Ecology. This textbook is profusely illustrated with well-drawn labelled diagrams, not only to supplement the descriptions, but also for sound understanding of the concepts.

Key Features

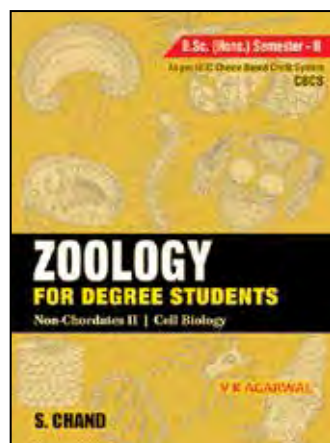
- Extensive coverage of Non-Chordates from Protista to Pseudocoelomata
- Exhaustive treatment of Minor Phyla (Rotifera, Sipuncula, Echiura, Ectoprocta and Brachiopoda)
- Discussion on current environmental issues such as Landscape Ecology, Agroecosystem, Ecological Footprints, Conservation of Wildlife, Global Warming, Pollution and many more
- More than 100 boxed items throughout the text providing information on intricate terms or topics

- Engaging chapter-end exercises having more than 2200 questions to enhance and strengthen learning of the students

ISBN: 9789352534388 | Code: 9789352534388 | Price: ₹ 499 | Pages: 944 | Size: 6.75" X 9.5" (Paperback)

Contents

Non-Chordates I: Protista to Pseudocoelomates (CC-I): 1. Introduction, 2. Protozoa: Characters, Classification and Types, 3. *Euglena* (Phylum Protozoa), 4. *Amoeba* (Phylum Protozoa), 5. *Paramecium* (Phylum Protozoa), 6. *Plasmodium* (Malaria Parasite) (Phylum Protozoa), 7. *Entamoeba Histolytica* (Phylum Protozoa), 8. Locomotion in Protozoa, 9. Reproduction in Protozoa, 10. Protozoa and Disease, 11. Phylum Porifera: Characters, Classification and Types, 12. *Scypha* (*Sycon*) (Phylum Porifera), 13. Canal System in Sponges, 14. Skeleton of Sponges, 15. Affinities of Sponges (Porifera) and Origin of Metazoa, 16. Phylum Cnidaria (Coelenterata): Characters, Classification and Types, 17. *Obelia* (Phylum Cnidaria), 18. Polymorphism in Cnidaria, 19. Corals and Coral Reefs, 20. Phylum Ctenophora, 21. Phylum Platyhelminthes: Characters, Classification and Types, 22. *Fasciola Hepatica* (Liver Fluke) (Phylum Platyhelminthes), 23. *Taenia Solium* (Phylum Platyhelminthes), 24. Phylum Nematoda: Characters, Classification and Types, 25. *Ascaris* (Phylum Nematoda), 26. *Ancylostoma* (Phylum Nematoda), 27. *Wuchereria Bancrofti* (Filaria) (Phylum Nematoda), 28. Parasitic Adaptations in Platyhelminthes (Flatworms) and Nematodes, 29. Parasitic Nematodes of Humans and Plants, 30. Minor Phyla, Principles of Ecology (CC-II): 1. Definition and History of Ecology, 2. Autecology and Synecology, 3. Levels of Organisation, Hierarchy and Biosphere, 4. Environment: Atmosphere, Hydrospheres and Lithosphere, 5. Abiotic Environmental Factors, 6. Biotic Environmental Factors (Ecological Relationships), 7. Population (Population Ecology), 8. Community, Niche, Ecotone, Edge Effect, and Bioindicators, 9. Ecological Succession, 10. Ecosystem: Structure and Function, 11. Biogeochemical Cycles, 12. Aquatic Ecosystems: Freshwater Communities, 13. Aquatic Ecosystems: Marine Communities, 14. Terrestrial Ecosystems: Realms and Biomes (Forests), 15. Landscape Ecology, 16. Human Modified Ecosystems (Agroecosystems, Technoecosystems and Ecological Footprints), 17. Biodiversity, 18. Wildlife of India and Endangered Species, 19. Sanctuaries and National Parks of India, 20. Wildlife Conservation, 21. Pollution: Air Pollution, 22. Water Pollution, 23. Land Pollution and Noise Pollution, 24. Radioactive Pollution • Index



Zoology for Degree Students, B.Sc. (Hons.) Semester - II

V K Agarwal

About the Book

This textbook has been designed to meet the needs of B.Sc. (Hons.) Second Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Coelomate Non-Chordates and Cell Biology. This textbook is profusely illustrated with well-drawn labelled diagrams, flow charts and tables, not only to supplement the descriptions, but also for sound understanding of the concepts.

Key Features

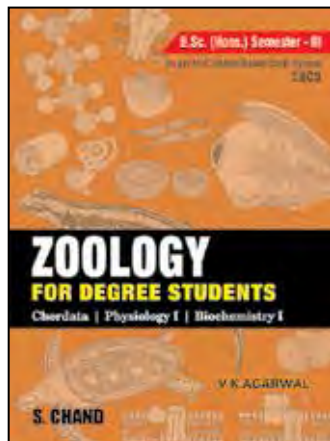
- Includes comparative Anatomy of Non-Chordates
- Discussion on important topics such as Cell Signalling, Intracellular Transport (Vesicular Trafficking), Motor Proteins, Cancer and many more
- Coverage on Energy Metabolism at the level of Chloroplasts and Mitochondria
- Close to 100 boxed items throughout the text providing information on intricate terms or topics
- Engaging chapter-end exercises having more than 1900 questions to enhance and strengthen learning of the students

ISBN: 9789352534111 | Code: 9789352534111 | Price: ₹ 499 | Pages: 952 | Size: 6.75" X 9.5" (Paperback)

Contents

Non-Chordates II: Coelomates (CC-III): 1. Introduction to Coelomates (Cladistic Methods, Evolution of Metamerism and Coelom), 2. Phylum Annelida (Characters, Classification and Types), 3. *Nereis (Neanthes)* (Phylum Annelida), 4. *Hirudinaria Granulosa* (Indian Cattle Leech) (Phylum Annelida), 5. Excretion in Annelida; Trochophore Larva and Vermicomposting, 6. Phylum Arthropoda (Characters, Classification and Types), 7. *Palaemon (Macrobrachium)* (Prawn) (Phylum Arthropoda), 8. Scorpion (Phylum Arthropoda), 9. Zoological Importance of Limulus, 10. Certain General Topics of Arthropoda, 11. Invertebrate Hormones, 12. Insect Pest Management (Insect Control), 13. Phylum Onychophora and Peripatus, 14. Phylum Mollusca (Characters, Classification and Types), 15. *Pila Globosa* (The Apple Snail) (Phylum Mollusca), 16. *Unio* (Lamellidens) (Phylum Mollusca), 17. Some General Topics of Mollusca (Respiration and Pearl Formation), 18. Torsion in Gastropods, 19. Phylum Echinodermata (Characters, Classification and Types), 20. *Asterias* (Starfish or Sea Star) (Phylum Echinodermata), 21. Some General Topics of Echinodermata, 22. Phylum Hemichordata (Characters, Classification and Types), 23. *Balanoglossus* (Phylum Hemichordata); **Cell Biology (CC-IV):** 1. Introduction, 2. Cell Biological Techniques, 3. Prokaryotic Cell and Eukaryotic, 4. Viruses, 5. Cytosol and Biomolecules, 6. Plasma Membrane and Cell Wall, 7. Cell Junctions, Cell Adhesion and the Extracellular Matrix (ECM), 8. Endoplasmic Reticulum (ER), 9. Golgi Apparatus, 10. Lysosomes, 11. Ribosomes, 12. Vesicular Traffic in the Secretory and Endocytic Pathway, 13. Cellular Energy Transductions (Role of Mitochondria and Chloroplasts), 14. Peroxisomes, 15. Cytoskeletal Systems and Cellular Movement, 16. Nucleus, Nucleopore and Nucleolus, 17. Chromosomes, 18. Cell Cycle and Mechanics of Cell Division, 19. Cell Signalling (Messengers, Receptors and Signal Transduction), 20. Cell Transformation and Cancer (Biology of Cancer) • *Index*

V K Agarwal, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Zoology for Degree Students, B.Sc. (Hons.) Semester - III

V K Agarwal



About the Book

This textbook has been designed to meet the needs of B.Sc. (Hons.) Third Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Chordata, Physiology and Biochemistry. This textbook is profusely illustrated with well-drawn labelled diagrams, not only to supplement the descriptions, but also for sound understanding of the concepts.

Key Features

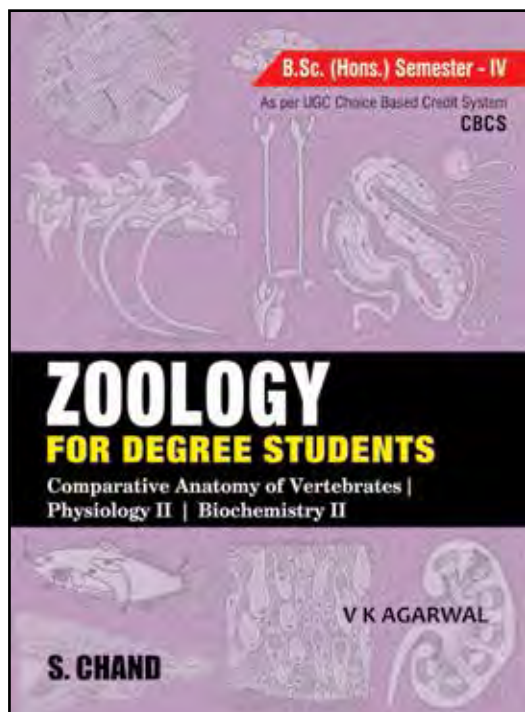
- Extensive Extensive coverage of physiology on vision, hearing, sex and hormones
- Boxed items throughout the text providing information on intricate terms or topics
- Engaging chapter-end exercises, having more than 1700 questions to enhance and strengthen learning of the students

ISBN: 9789352533114 | Code: 9789352533114 | Price: ₹ 525 | Pages: 976 | Size: 6.75" X 9.5" (Paperback)

Contents

Diversity of Chordata: 1. Phylum Chordata, 2. Phylum Hemichordata (General Characters, Classification and Types), 3. *Balanoglossus* (Phylum Hemichordata), 4. *Herdmania*, 5. Urochordata: General Characters, Classification and Types, 6. *Branchiostoma* (Amphioxus or Lancelet), 7. Cephalochordata: General Characters, Classification and Types, 8. Subphylum Vertebrata and Class Cyclostomata, 9. Superclass Pisces (Fishes): General Characters, Classification and Types, 10. Class Amphibia: General Characters, Classification and Types, 11. Amphibia (Origin, Affinities, Parental Care and Heterochrony: Axolotl, Neoteny, etc.), 12. Class Reptilia: General Characters, Classification and Types, 13. Poisonous and Non-Poisonous Snakes; Biting Apparatus and Biting Mechanism, 14. The Pigeon: *Columba Livia*, 15. Skeleton of Bird (The Fowl), 16. Class Aves (The Birds): General Characters, Classification and Types, 17. Class Mammalia: General Characters, Classification and Types, 18. Dentition of Mammals, 19. Zoogeography, **Physiology: Controlling and Coordinating Systems:** 1. Tissues and Glands, 2. Bone and Cartilage, 3. Physiology of Transmission of Nerve Impulse, 4. Physiology of Vision (Photoreception), 5. Physiology of Hearing, 6. Physiology of Muscle Contraction, 7. Sexual Reproduction (Histophysiology), 8. Endocrine Glands, 9. Homeostasis and Thermoregulation, **Fundamentals of Biochemistry:** 1. Introduction to Biochemistry, 2. Carbohydrates, 3. Lipids, 4. Amino Acids, Peptides and Proteins, 5. Nucleic Acids, 6. Enzymes • *Index*

V K Agarwal, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Zoology for Degree Students - Semester IV

V K Agarwal
About the Book



This textbook has been designed to meet the needs of B.Sc. (Hons.) Fourth Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Comparative Anatomy of Vertebrates, Animal Physiology: Life Sustaining Systems and Biochemistry of Metabolic Processes. This textbook is profusely illustrated with over 550 well-labelled diagrams, not only to supplement the descriptions, but also for sound understanding of the concepts.

Key Features

- Extensive coverage of comparative anatomy of vertebrates with an emphasis on evolutionary origin, embryological development, phylogeny and functional utility of various organ systems.
- Detailed discussion on physiology of digestion, respiration, excretion, osmoregulation, blood and heart. Also discusses foregut and hindgut fermentation.
- Comprehensive coverage of metabolism of carbohydrates, lipids, proteins and oxidative phosphorylation (energy metabolism).
- Over 100 boxed items throughout the text providing information on intricate terms or topics.
- Engaging chapter-end exercises having more than 800 questions to enhance and strengthen learning of the students

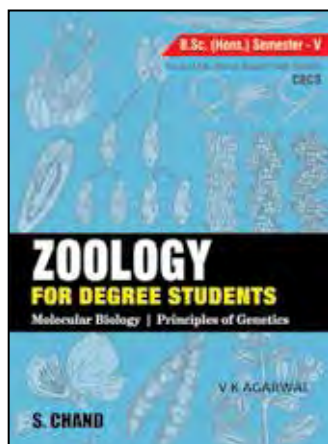
ISBN: 9789352534104 | Code: 9789352534104 | Price: ₹ 475 | Pages: 752 | Size: 6.75" X 9.5" (Paperback)

Contents

CC VIII: Comparative Anatomy of Vertebrates	7. Urinogenital System	Base Balance
1. Definition, Historical Background and Concepts of Comparative Vertebrate Anatomy	8. Nervous System	6. Blood
2. Integumentary System	9. Sense Organs	7. Physiology of Heart
3. Skeletal System	CC IX: Animal Physiology–Life Sustaining Systems	CCX: Biochemistry of Metabolic Processes
4. Digestive System (Alimentary Canal, Associated Glands and Dentition)	1. Definition, History and Branches of Physiology	1. Overview of Metabolism
5. Respiratory System	2. Physiology of Digestion	2. Carbohydrate Metabolism
6. Circulatory System	3. Physiology of Respiration	3. Lipid Metabolism
	4. Renal Physiology (Excretion)	4. Protein Metabolism
	5. Osmoregulation and Regulation of Acid-	5. Oxidative Phosphorylation
		• Index

Dr V K Agarwal, MSc; PhD, has a rich teaching experience of more than four decades at Meerut College, Meerut. He has taught subjects such as Cell Biology, Genetics, Molecular Biology, Chordate Embryology (Developmental Biology), Invertebrate Zoology, Chordate Zoology, Evolution, Ecology and Animal Behaviour (Ethology) to undergraduate and postgraduate students.

Dr Agarwal has to his credit the authorship of several widely acclaimed textbooks such as Cytology, Cell Biology, Genetics, Chordate Embryology (Developmental Biology), Ecology (Environmental Biology), Ethology (Animal Behaviour), Zoology for Degree Students –BSc First Year (includes Invertebrate Zoology), Zoology for Degree Students – Semesters I, II, III and V, Molecular Biology, Genetic Engineering, CBSE–IX Biology, and a multicoloured edition of Cell Biology, Genetics, Molecular Biology, Evolution and Ecology. He has also published a few research papers on Insect Physiology and Toxicology.



Zoology for Degree Students, B.Sc. (Hons.) Semester - V

V K Agarwal

About the Book

This textbook has been designed to meet the needs of B.Sc. (Hons.) Fifth Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Molecular Biology and Genetics. This textbook is profusely illustrated with well-drawn labelled diagrams, flow charts and tables, not only to supplement the descriptions, but also for sound understanding of the concepts.

Key Features

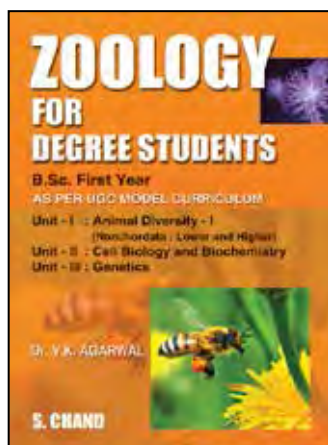
- Discussion on contemporary topics in molecular biology such as regulatory RNAs, DNA repair mechanisms and transcriptional regulation of eukaryotic genes
- Discussion on contemporary topics in genetics such as microbial genetics, plasmids, IS elements, transposons and retroelements, phenotypic plasticity and genomic imprinting due to DNA methylation
- Close to 75 boxed items throughout the text providing information on intricate terms or topics
- Engaging chapter-end exercises having more than 1200 questions to enhance & strengthen learning of the students



ISBN: 9789352535255 | Code: 9789352535255 | Price: ₹ 435 | Pages: 696 | Size: 6.75" X 9.5" (Paperback)

Contents

Molecular Biology (CC-XI): 1. Definition, History and Techniques of Molecular Biology, 2. Organisms used in Molecular Biology, 3. Identification of the Genetic Materials, 4. Chemical Nature of Genetic Materials (DNA and RNA) (Watson and Crick Model of DNA), 5. Organization of Genetic Material (DNA of Nucleosomes, Centromeres and Telomeres), 6. Split Genes, 7. DNA Replication, 8. Transcription, 9. Messenger RNA (Coding RNA) (MRNA: Modification, Processing, Editing, and Splicing), 10. Ribosomal RNA (rRNA) and Transfer RNA (tRNA), 11. Genetic Code, 12. Translation: Protein Synthesis, 13. Post-Translational Processing of Proteins, 14. Multigene Families (Globin Genes, Actin Genes, Histone Gene Clusters and tRNA Genes), 15. Regulation of Gene Action in Bacteria and Viruses, 16. Regulation of Gene Action in Eukaryotes, 17. DNA Repair Mechanisms, 18. Regulatory RNAs: Riboswitches, RNA Interference (RNAi), siRNAs and miRNAs, Principles of Genetics (CC-XII): 1. Introduction, 2. Laws of Heredity (Mendelian Laws of Inheritance), 3. Dominance, Incomplete Dominance and Codominance, 4. Multiple Alleles, 5. Lethal Genes and Pleiotropic Genes, 6. Interactions of Genes (Factor Hypothesis), 7. Sex Linkage (Sex-Linked Inheritance), 8. Linkage, 9. Crossing Over, 10. Genetic and Physical Mapping of Chromosomes, 11. Chromosomal Mutations, 12. Alteration in the Genetic Material (Point Mutation), 13. The Gene (Fine Structure of Gene), 14. Sex Chromosomes, Sex Determination and Sex Differentiation, 15. Non-Chromosomal Inheritance (Cytoplasmic Inheritance), 16. Polygenic Inheritance, 17. Sexuality and Recombination in Bacteria and Viruses (Microbial Genetics), 18. Plasmids, is Elements, Transposons and Retroelements



Zoology for Degree Students, B.Sc. First Year

V K Agarwal

About the Book

The textbook covers four branches of Zoology- Lower Chordata, Higher Non-chordata, Cell Biology and Genetics. Concepts are presented in lucid and comprehensive manner. It is profusely illustrated with diagrams, not only to supplement the description, but also to embellish sound understanding of the concepts. The textbook would be extremely useful for students pursuing BSc First Year.

Key Features

- Rich pedagogy comprising boxed items with additional information on relevant topics, wide spectrum of questions such as long, short and very short questions, multiple choice questions, fill in the blanks and true and false questions for quick review of concepts
- Abundance of diagrams throughout 90 chapters to present text in an illustrative manner

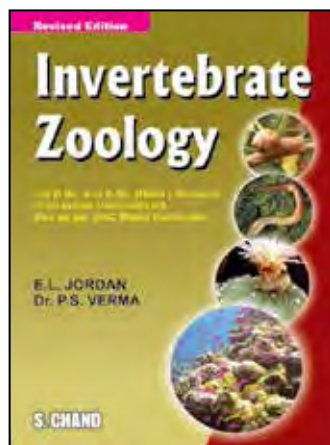
ISBN: 9788121935500 | Code: 1003B00392 | Price: ₹ 850 | Pages: 1,536 | Size: 6.75" X 9.5" (Paperback)

Contents

Unit-I: Animal Diversity-I (Nonchordata: Lower & Higher): (Part A): Lower Nonchordates (Invertebrates): 1. Introduction, 2. Protozoa: Characters, Classification and Types, 3. *Euglena*, 4. *Monocystis*, 5. *Trypanosoma*, 6. *Paramecium*, 7. Locomotion in Protozoa, 8. Nutrition in Protozoa, 9. Reproduction in Protozoa, 10. Protozoa and Diseases, 11. Phylum Porifera Characters, Classification and Types, 12. *Leucosolenia* (Phylum Porifera), 13. *Scypha* (Sycon) (Phylum Porifera), 14. Canal System in Sponges, 15. Skeleton of Sponges, 16. Affinities of Sponges, 17. Phylum Cnidaria (Characters, Classification and Types), 18. *Obelia* (Phylum Cnidaria), 19. *Aurelia* (Phylum Cnidaria), 20. Polymorphism in Cnidaria, 21. Colony Formation in Cnidaria, 22. Corals and Coral

Reefs, 23. Phylum Platyhelminthes, 24. *Dugesia tigrina* (Phylum Platyhelminthes), 25. *Fasciola hepatica* (Liver fluke) (Phylum Platyhelminthes), 26. *Taenia solium* (Liver Fluke) (Phylum Platyhelminthes), 27. Parasitic Adaptations in Platyhelminthes (Flatworms), 28. Phylum Nematoda (Characters, Classification and Types), 29. *Ancylostoma* (Phylum Nematoda), 30. *Ascaris* (Phylum Nematoda), 31. Parasitic Nematodes of Humans and Plants, 32. Minor Phyla, (Part B): **Higher Nonchordata**: 33. Phylum Annelida (Characters, Classification and Types), 34. *Nereis* (Neanthes) (Phylum Annelida), 35. *Hirudinaria granulosa* (Indian cattle leech), 36. Metamerism and Coelom in Annelida, 37. Trochophore Larva and its Significance, 38. Phylum Arthropoda, 39. *Palaemon* (Macrobrachium), 40. Scorpion (Phylum Arthropoda), 41. Zoological Importance of *Limulus*, 42. Economic Importance of Insect, 43. Insect Pest Management (Insect Control), 44. Phylum Mollusca, 45. *Pila globosa* (The Apple Snail) (Phylum Mollusca), 46. *Unio* (*Lamellidens*) (Phylum Mollusca), 47. Torsion in Gastropods, 48. Phylum Onychophora and Peripatus, 49. Phylum Echinodermata, 50. *Asterias* (Starfish or Sea star), 51. Phylum Hemichordata, 52. *Balanoglossus* (Phylum Hemichordata), **Unit-II: Cell Biology & Biochemistry**: 53. Introduction, 54. Cell Biological Techniques, 55. Prokaryotic Cell and Eukaryotic Cell, 56. Viruses, 57. The Macro molecules of the Cell (Cytosol and Biomolecules), 58. Cellular Energy Transductions, 59. Plasma Membrane and Cell wall, 60. Cell Junctions, Cell Adhesion and the Extracellular Matrix (ECM), 61. Cell Signaling (Messengers, Receptors and Signal Transduction), 62. Cytoskeletal System and Cellular Movement, 63. Endoplasmic Reticulum (ER), 64. Golgi Apparatus, 65. Lysosomes, 66. Peroxisomes, 67. Ribosomes, 68. Vesicular Traffic in the Secretory and Endocytic Pathway, 69. Nucleus, Nucleopore and Nucleolus, 70. Chromosomes, 71. Cell Cycle and Mechanics of Cell Division, 72. Cell Transformation and Cancer (Biology of Cancer), **Unit-III: Genetics**: 73. Introduction, 74. Laws of Heredity (Mendelian Laws of Inheritance), 75. Dominance, Incomplete Dominance and Codominance, 76. Linkage, 77. Crossing Over, 78. Linkage Maps, 79. Varieties of Gene Expressions: I Interactions of Genes (Factor Hypothesis), 80. Varieties of Gene Expressions: II Polygenic Inheritance, Lethal Genes, and Pleiotropic Gene, 81. Varieties of Gene Expressions: III Multiple Alleles, 82. The Gene(Fine Structure of Gene), 83. Sex Chromosomes, Sex Determination and Sex Differentiation, 84. Sex Linkage(Sex-Linked Inheritance), 85. Non–Chromosomal Inheritance (Cytoplasmic Inheritance), 86. Chromosomal Mutation, 87. Human Genetics, 88. Population Genetics and Evolutionary Genetics, 89. Immunogenetics and Genetics of Cancer, 90. Eugenics, Euthenics and Euphenics

V K Agarwal, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Invertebrate Zoology

E L Jordan & P S Verma

Instructor's Resource available

About the Book

A best seller for more than three decades, this textbook encapsulates the recent research and developments in the field. It discusses several animal types from each major phylum keeping in view not only the anatomy and physiology of animals, but also the relationship of structure to functional requirements of the environment. Comprehensively written, this textbook would be extremely useful for students of Zoology.

Key Features

- Updated content in the light of recent researches in the field
- Nearly 900 well-labelled diagrams for easy understanding
- Close to 1200 long/short/very short type questions and 2000+ MCQs to test understanding of the concepts.

Multicolour
Edition

ISBN: 9788121903677 | Code: 1003B00027 | Price: ₹ 850 | Pages: 1,152 | Size: 6.75" X 9.5" (Paperback)

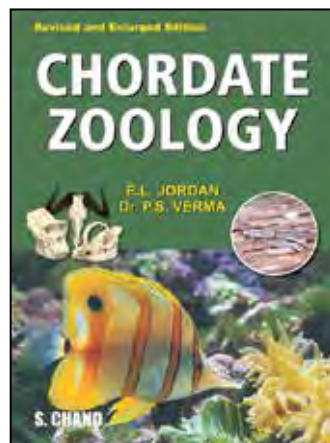
Contents

1. Introduction, 2. General Principles of Systematics (Taxonomy) and Animal Classification, 3. Protoplasm, 4. Cell–Structure and Function, 5. Cell Division, 6. Reproduction, 7. Gametogenesis, 8. Fertilisation, 9. Parthenogenesis, 10. The Invertebrates, 11. Phylum Protozoa, 12. *Euglena*, 13. *Trypanosoma*, 14. *Amoeba*, 15. *Entamoeba*, 16. *Elphidium* (= *Polystomella*), 17. *Monocystis*, 18. *Eimeria*, 19. *Plasmodium*, 20. *Paramecium*, 21. *Vorticella*, 22. Protozoa: Characters, Classification and Types, 23. Protozoa in General, 24. Phylum Porifera, 25. *Leucosolenia*, 26. *Scypha* (= *Sycon*), 27. Porifera: Characters, Classification and Types, 28. Porifera in General, 29. Metazoa, 30. Phylum Coelenterata (Cnidaria), 31. *Hydra*, 32. *Obelia*, 33. *Aurelia*, 34. *Metridium* (Sea Anemone), 35. Coelenterata: Characters, Classification and Types, 36. Coelenterata in General, 37. Phylum Ctenophora, 38. Phylum Platyhelminthes, 39. *Dugesia* (= *Euplanaria*), 40. *Polystoma*, 41. *Fasciola* (A Liver Fluke), 42. *Taenia* (A Tapeworm), 43. Platyhelminthes: Characters, Classification and Types, 44. Platyhelminthes in General, 45. Phylum Aschelminthes, 46. *Ascaris* (A Common Roundworm), 47. *Ancylostoma* (A Common Hookworm), 48. *Wuchereria* (A Filarial Worm), 49. Aschelminthes: Characters, Classification and Types, 50. Nematodes in General, 51. Helminth and Human Diseases, 52. Phylum Entoprocta (Endoprocta), 53. Phylum Nemertinea, 54. Phylum Acanthocephala, 55. Phylum Rotifera, 56. Phylum Ectoprocta (Bryozoa), 57. Phylum Brachiopoda, 58. Phylum Phoronida, 59. Phylum Mollusca, 60. *Pila* (Apple Snail), 61. *Lamellidens* (*Unio*) (Freshwater Mussel), 62. Mollusca: Characters, Classification and Types,

63. Mollusca in General, 64. Phylum Annelida, 65. *Neanthes* (= *Nereis*) (Clamworm), 66. *Pheretima* (Earthworm), 67. *Hirudinaria* (Indian Cattle Leech), 68. Annelida: Characters, Classification and Types, 69. Annelida in General, 70. Phylum Arthropoda, 71. *Palaemon* (= *Macrobrachium*) Prawn), 72. Scorpion, 73. *Periplaneta* (Cockroach), 74. Grasshopper or Locust, 75. *Culex* and *Anopheles*: The Mosquitoes, 76. *Musca*: The Housefly, 77. *Apis*: The Honeybee, 78. *Bombyx*: The Silkworm, 79. *Cimex*: The Bedbug, 80. Termites: The White Ants, 81. Arthropoda: Characters, Classification and Types, 82. Arthropoda in General, 83. *Peripatus*, 84. Phylum Echinodermata, 85. *Asterias*: A Sea Star, 86. Echinodermata : Classification, Characters and Types, 87. Echinodermata in General, 88. Phylum Hemichordata, 89. Hemichordata: Characters, Classification and Types • Glossary • Selected References • Index

E L Jordan, Formerly Head of Department - Zoology, Lucknow Christian College, Lucknow.

P S Verma, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Chordate Zoology

E L Jordan & P S Verma

About the Book

A national best seller for more than four decades, this book is a comprehensive text on the basic principles of Zoology. It takes into account morphology, physiology, histology, embryology, ecology, palaeontology and evolution of chordates. With its simple language, crystal clear explanations and systematic presentation, this book would be extremely useful for the undergraduate students of Zoology.

Key Features

- Highlights important terms for a more focussed learning
- More than 700 well-labelled diagrams to facilitate understanding
- Engaging chapter-end exercises, having close to 750 long/short/very short answer type questions and over 650+ MCQs to test and strengthen student's learning

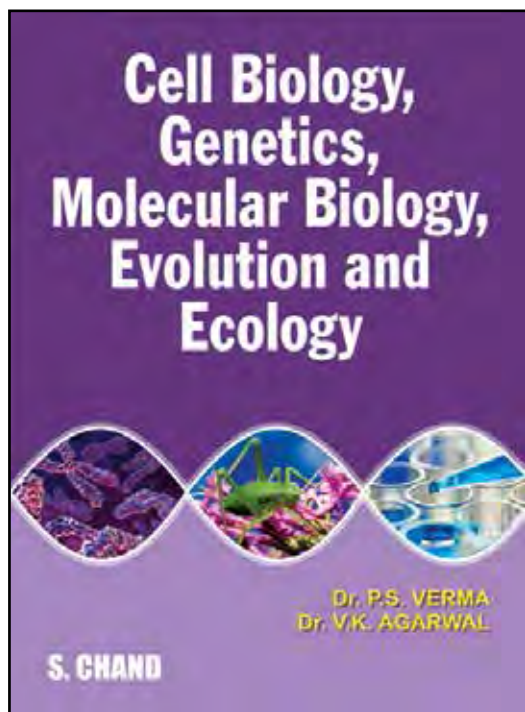
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E L Jordan, Formerly Head of Department - Zoology, Lucknow Christian College, Lucknow.

P S Verma, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Cell Biology, Genetics, Molecular Biology, Evolution and Ecology

P S Verma & V K Agarwal

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About the Book

The revised edition of this bestselling textbook provides latest and detailed account of vital topics in biology, namely, Cell Biology, Genetics, Molecular Biology, Evolution and Ecology. The treatment is very exhaustive as the book devotes exclusive parts to each topic, yet in a simple, lucid and concise manner. Simplified and well labelled diagrams and pictures make the subject interesting and easy to understand. It is developed for students of B.Sc. Pass and Honours courses, primarily. However, it is equally useful for students of M.Sc. Zoology, Botany and Biosciences. Aspirants of medical entrance and civil services examinations would also find the book extremely useful.

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13. Chromosomes
14. Ribosomes
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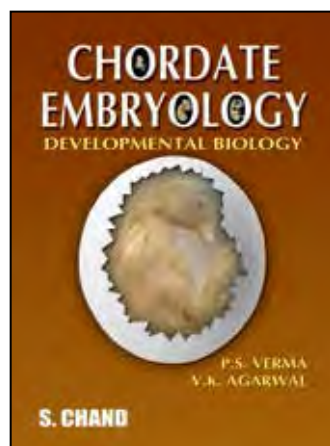
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|---|---|---|
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Chordate Embryology

P S Verma & V K Agarwal

About the Book

This textbook has been written to acquaint the students with the fundamentals of developmental biology. With an emphasis on morphological approach, this book also discusses a few aspects of cell biology, biochemistry and endocrinology at relevant places. In the revised edition, new chapters have been added to further strengthen and enhance the integrated spectrum of descriptive-morphological and experimental-physiological approach of the subject matter.

Key Features

- Inclusion of new chapters such as Cellular Basis of Development; DNA, RNA and Protein Synthesis; Pathogenesis; Nucleus and Cytoplasm in Development; Teratogenesis; Birth Control
- Coverage on important topics such as Cell Lineage, Metaplasia, Mid-blastula Transition
- Over 300+ figures provided to facilitate learning of the subject

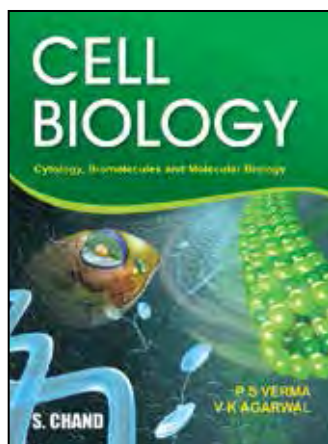
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P S Verma, Formerly Reader, Department of Zoology, Meerut College, Meerut.

V K Agarwal, Formerly Reader, Department of Zoology, Meerut College, Meerut.



Cell Biology

P S Verma & V K Agarwal

About the Book

This book explains the essential principles, processes and methodology of cell biology, biochemistry and molecular biology. It reflects upon the significant advances in cell biology such as motor proteins, intracellular traffic and targeting of proteins, signalling pathways, receptors, apoptosis, aging and cancer. It also discusses certain current topics such as history of life (origin of life), archaeobacteria, split genes, exon shuffling, gene silencing, RNA interference, miRNA, siRNA and recombinant DNA technology, etc.

Key Features

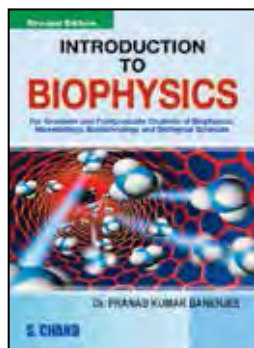
- Explains the essential principles, processes and methodology of cell biology, biochemistry and molecular biology.
- Reflects upon the significant advances in cell biology such as motor proteins, intracellular traffic & targeting of proteins, signalling pathways, receptors, apoptosis, aging and cancer.
- Pedagogically enriched, the book provides engaging chapter-end assessment exercises to enhance and strengthen the learning of the readers.
- Glossary, serving as a mini dictionary, provides various key terms of cell biology. Also provide selected readings for further exploration of the subject.
- Boxed items provide extra information on the topics.

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P S Verma & V K Agarwal, Formerly Readers, Department of Zoology, Meerut College, Meerut.



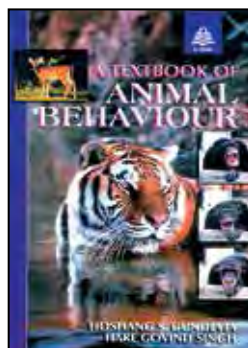
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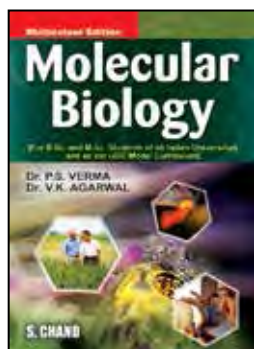
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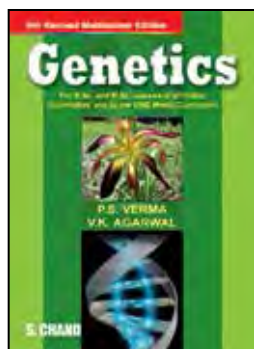
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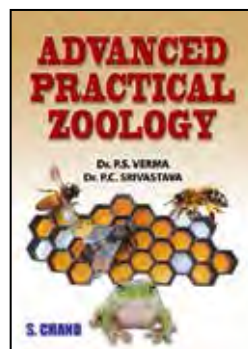
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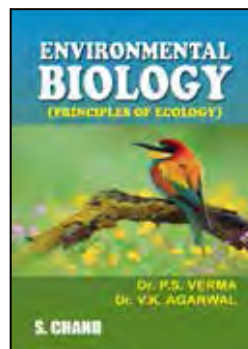
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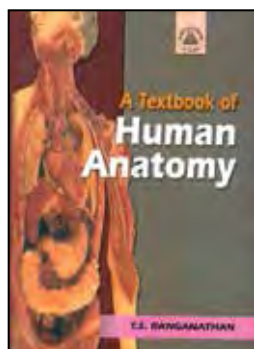
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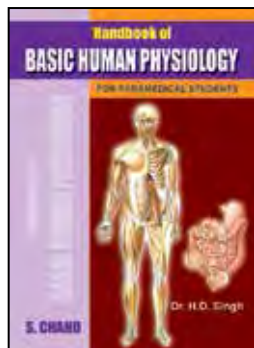
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H D Singh

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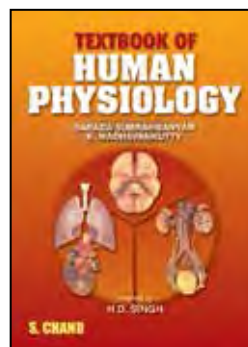
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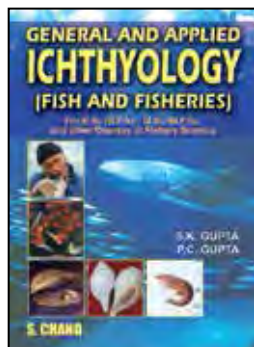
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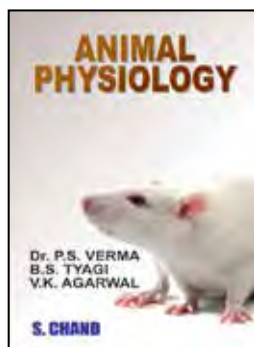
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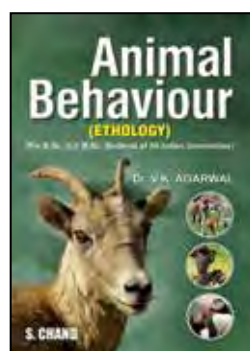
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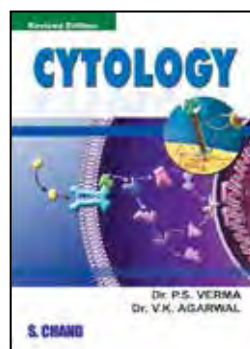
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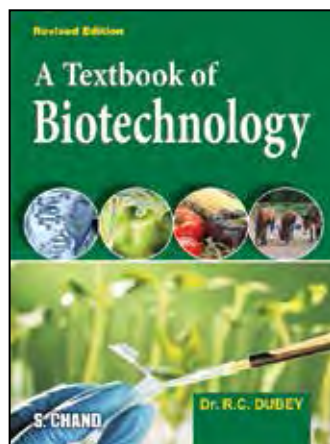
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R C Dubey

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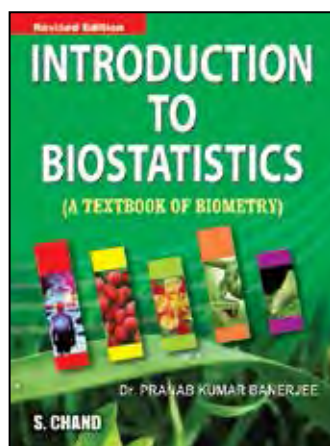


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R C Dubey, Professor, Department of Botany and Microbiology, Gurukul Kangri University, Haridwar.



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Pranab Kumar Banerjee

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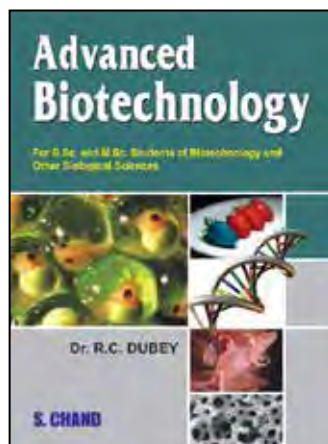
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Pranab Kumar Banerjee, Associate Professor, Department of Postgraduate Studies in Zoology, Serampore College, Serampore, Hooghly.



Advanced Biotechnology

R C Dubey

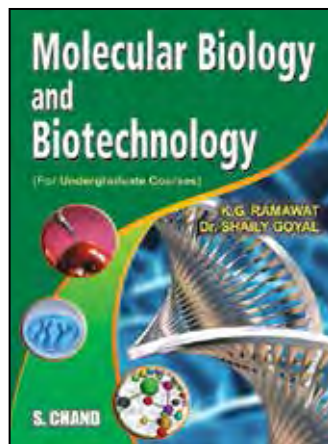
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The book embodies 22 chapters covering various important disciplines of biotechnology, such as cell biology, molecular biology, molecular genetics, biophysical methods, genomics and proteomics, metagenomics, enzyme technology, immune-technology, transgenic plants and animals, industrial microbiology and environmental biotechnology. The book is illustrative. It is written in a simple language so that the students can easily grasp the matter. Possible questions have been written at the end of each chapter so that the matter can be thoroughly understood. Glossary of some important technical terms has been incorporated. Subject index has been given at the end of the book so that the students may search the related topics with complete ease.

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R C Dubey

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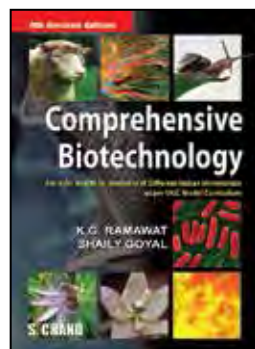
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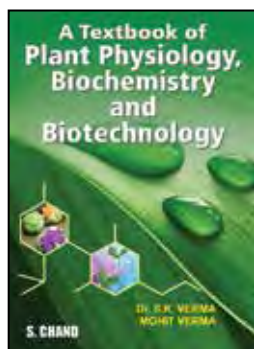
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S K Verma & Mohit Verma

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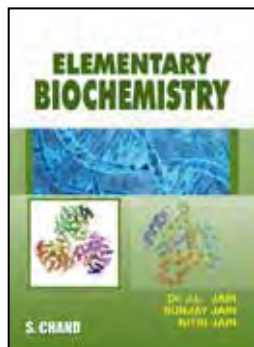
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J L Jain, Sunjay Jain & Nitin Jain

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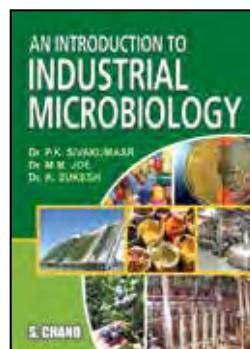
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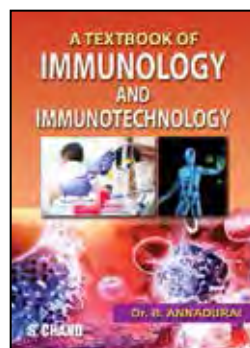
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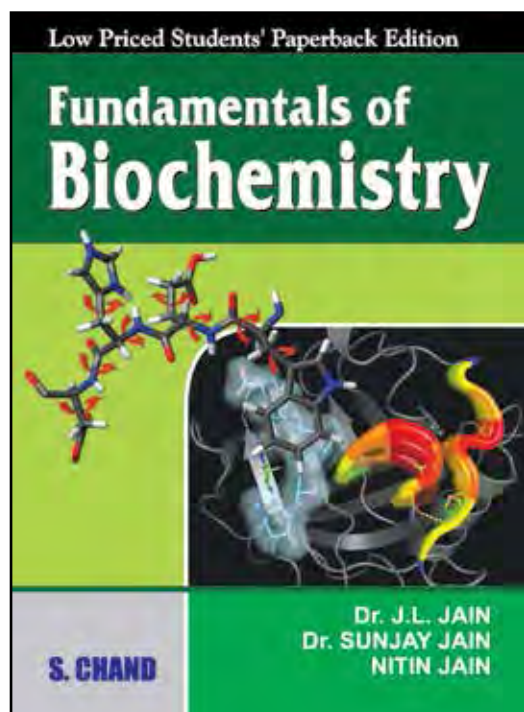
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1. History of Immunology, 2. Architecture of Immune System, 3. Immune Response, 4. Immunity, 5. Epitopes, 6. Structure and Function of Specific Immunoglobulins, 7. Immuno Diagnostics, ABO, Rh, Incompatibility, Widal Test, ELISA, RIA Techniques and Their Application, 8. Hypersensitivity, 9. Complement, 10. Autoimmunity, 11. Transplantation, 12. Interferon, 13. Cytokines, 14. Tissue Typing, 15. Adjuvants, 16. Antibody Forming Theory, 17. Antiser, 18. Antibody-Receptor Structure, 19. Designing Vaccines for Active Immunization, 20. Cancer Immunology, 21. Acquired Immunodeficiency Syndrome (AIDS), 22. Immunological & Immunochemical Techniques, 23. Staphylococcus Aureus Protein, A Purification, 24. Agglutination Reaction, 25. Purification of Ig by Ion Exchange Chromatography, 26. Radio Immunoassay and Related Technique, 27. Elisa (Enzyme Linked Immunosorbent Assay) and Emit, 28. New Vistas for Monoclonal Antibodies Avoiding Detection • Appendices: I. Answers to Study Questions • II. Glossary • Index



Fundamentals of Biochemistry

J L Jain & Sunjay Jain & Nitin Jain

About the Book

This book has been primarily designed to familiarize the students with the basic concepts of biochemistry such as biomolecules, bioenergetics, metabolism, hormone biochemistry, nutrition biochemistry as well as analytical biochemistry. The book is flourished with numerous illustrations and molecular structures which would not only help the students in assimilating extensive information on a spectrum of concepts in biochemistry, but also help them in retaining the concepts in an effective manner.

Key Features

- Over 850 figures to facilitate effective understanding of the concepts
- More than 600 questions to test understanding of the concepts
- Life history contributions of over 100 biochemists
- Exhaustive glossary with about 1700 words along-with etymology of most of the technical terms

Instructor's Resource available

ISBN: 9789352838301 | Code: 9789352838301 | Price: ₹ 699 | Pages: 1,248 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Prefatory:

1. Introduction
2. Water: The Solvent of Life
3. pH and Buffers
4. The Atom and Chemical Bonds

Part-II: Biomolecules:

5. Carbohydrates I – General Structure of Monosaccharides
6. Carbohydrates II – Properties of Monosaccharides
7. Carbohydrates III – Oligosaccharides
8. Carbohydrates IV – Polysaccharides
9. Proteins I – General Structure
10. Proteins II – Classification
11. Proteins III – General Properties
12. Lipids I – General Structure
13. Lipids II – Classification
14. Lipids III – Properties of Fats and Oils
15. Nucleic Acids

16. Enzymes I – Nomenclature and Classification

17. Enzymes II – Characteristic and three Dimensional Structure
18. Enzymes III – Mechanism of Enzyme Action,

Part-III: Bioenergetics and Metabolism:

19. Metabolic Concepts
20. Bioenergetics
21. Glycolysis
22. Pyruvate Oxidation and Citric Acid Cycle
23. Electron Transport and Oxidative Phosphorylation
24. Oxidation of Fatty Acids
25. Biosynthesis of Lipids
26. Oxidation of Amino Acids
27. Biosynthesis of Amino Acids
28. Biosynthesis of Nucleotides
29. Degradation of Nucleotides

30. Biosynthesis of Proteins

31. Protein Targeting and Degradation
32. Genetic Code

33. Mineral Metabolism

Part-IV: Hormone Biochemistry:

34. Animal Hormones
35. Plant Hormones

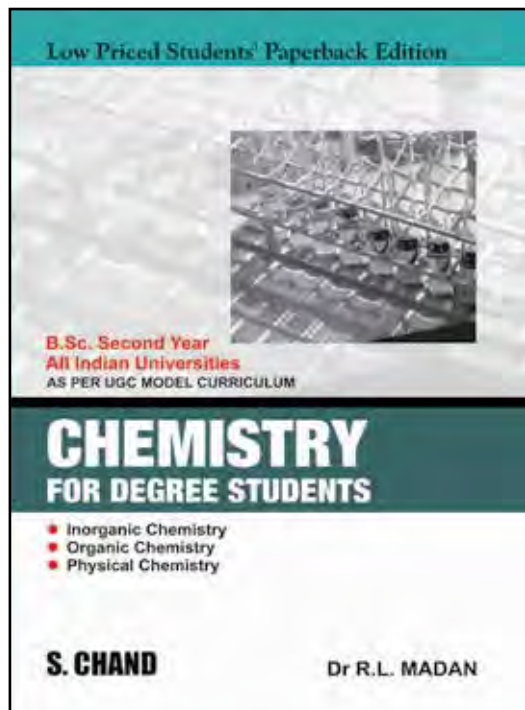
Part-V: Nutrition Biochemistry:

36. Principles of Nutrition
37. Elements of Nutrition
38. Fat-Soluble Vitamins,
39. Water-Soluble Vitamins

Part-VI: Analytical Biochemistry:

40. Biochemical Techniques

- Appendices
- Glossary
- Author/Scientist Index
- Subject Index



Chemistry for Degree Students B.Sc. Second Year

R L Madan

About the Book

This textbook is written to meet the requirements of undergraduate students of B.Sc. Second Year of all Indian universities. Comprising three parts Inorganic, Organic and Physical, it comprehensively details all the principles of chemistry. Illustrations and diagrams are provided to help students in understanding the chemical structures and reactions.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Interesting examples and illustrations provided throughout the text
- Exercises based on questions from different university papers

ISBN: 9789352837250 | Code: 9789352837250 | Price: ₹ 375 | Pages: 1,120 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Inorganic Chemistry

1. Chemistry of Elements of First Transition Series
2. Chemistry of Elements of Second and Third Transition Series
3. Oxidation and Reduction
4. Coordination Compounds
5. Chemistry of Lanthanide Elements
6. Chemistry of Actinides
7. Acids and Bases
8. Non-Aqueous Solvents

Part-II: Organic Chemistry

1. Electromagnetic Spectrum: Absorption Spectra
2. Alcohols
3. Phenols
4. Ethers and Epoxides

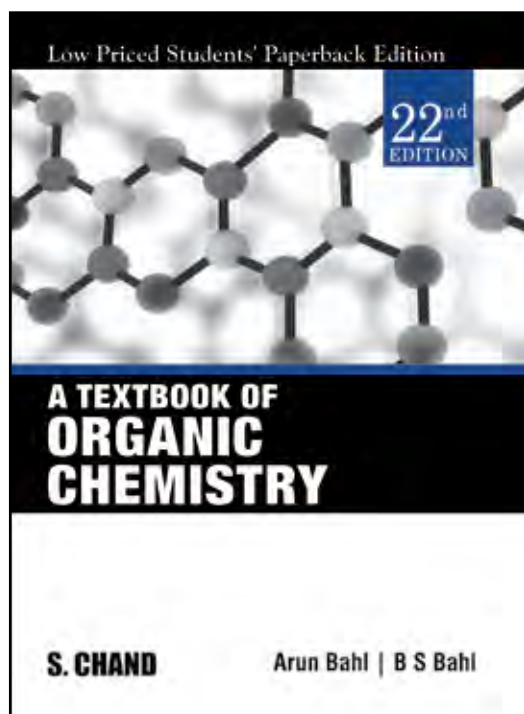
5. Aldehydes and Ketones

6. Carboxylic Acids
7. Carboxylic Acid Derivatives
8. Organic Compounds of Nitrogen

Part-III: Physical Chemistry

1. Thermodynamics – I
2. Thermodynamics – II
3. Chemical Equilibrium
4. Phase Rule
5. Liquid-Liquid Mixtures
6. Distribution Law
7. Electrochemistry – I
8. Electrochemistry - II

R L Madan, Formerly Head of Chemistry Department, Government Postgraduate College, Faridabad and Principal, Government College, Panchkula.



A Textbook of Organic Chemistry, 22e

Arun Bahl & B S Bahl

About the Book

With an increased focus on fundamentals, this new edition of *A Textbook of Organic Chemistry* continues to present the time-tested functional group approach to the subject. This examination-oriented book breaks the intricacies of Organic Chemistry into easy-to-understand steps which gives the student the necessary foundation to build upon, learn and understand Organic Chemistry in a way that is efficient as well as long-lasting.

Key Features

- Chemistry of aliphatic and aromatic compounds is treated separately
- All reaction mechanisms are presented using the latest conventions
- Coloured illustrations and graphics highlight and reinforce the presentation of important points
- Over 3300 questions helping the students to achieve deeper understanding of the subject through constant reinforcement and practice

Instructor's Resource available

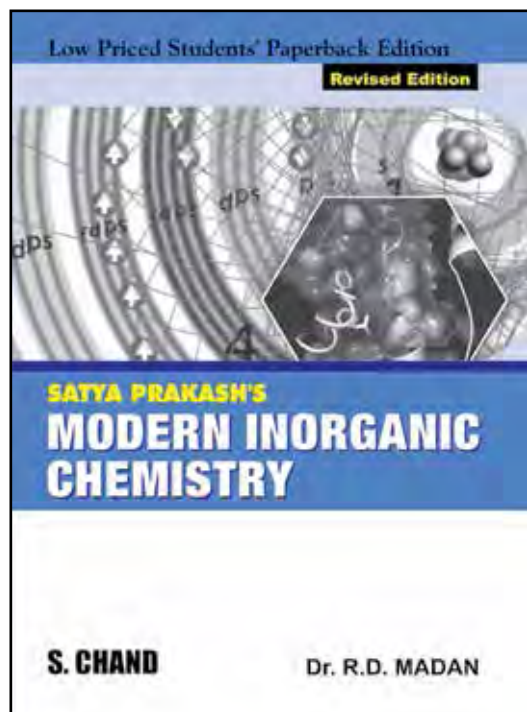
ISBN: 9789352837304 | Code: 9789352837304 | Price: ₹ 475 | Pages: 1,128 | Size: 6.75" X 9.5" (Paperback)

Contents

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| 1. Getting Started | 21. Dicarboxylic Acids | 40. Phenols and Aromatic Ethers |
| 2. Purification of Organic Compounds | 22. Hydroxy and Halo Acids | 41. Aromatic Aldehydes and Ketones |
| 3. Composition of Organic Compounds | 23. Carboxylic Acid Derivatives | 42. Aromatic Carboxylic Acids |
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| 5. Structure of Organic Molecules | 25. Acetoacetic Ester and Malonic Ester | 44. Naphthalene |
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| 8. Nomenclature of Organic Compounds | 28. Amino Acids, Peptides and Proteins | 47. Alkaloids |
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| 11. Alkenes | 31. Carbohydrates | 50. Vitamins, Steroids and Antibiotics |
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| 13. Alkyl Halides | 33. Benzene and its Homologues | 52. Multistep Synthesis |
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| 16. Polyhydric Alcohols | 36. Aromatic Sulfonic Acids | • Glossary |
| 17. Ethers and Epoxides | 37. Aromatic Nitro Compounds | • Index |
| 18. Thiols and Thioethers | 38. Aromatic Amines | |
| 19. Aldehydes and Ketones | 39. Aryldiazonium Salts | |
| 20. Carboxylic Acids | | |

B S Bahl, Principal and Head of the Department, Chemistry, DAV College, Jalandhar.

Arun Bahl, Formerly Professor of Chemistry, Panjab University, Chandigarh..



Satya Prakash's Modern Inorganic Chemistry

R D Madan

About the Book

Satya Prakash's Modern Inorganic Chemistry is a treatise on the chemistry of elements on the basis of latest theories of Chemistry. Initial chapters are devoted to the study of fundamentals of Chemistry such as structure of atom, periodic classification of elements, chemical bonding and radioactivity, to name a few. It further graduates to complex discussions not only on extraction, properties and uses of the elements but also on preparation, properties, uses and structure of their important compounds. Chemistry of elements and their compounds have been explained on the basis of their position in the long form of periodic table and their electronic configurations/structures. Special emphasis has been put on the discussion of the correlation between the structure and properties of elements/compound. The book caters to the requirements of Bachelor in Science (Pass) courses. With detailed discussion on several advanced topics, the students of Bachelor in Science (Honours) and Masters in Science would also find it extremely useful.

Key Features

- Strong pedagogy comprising more than 400 questions with explanations and answers, apt number of numerical questions with solutions and nearly 1000 university questions, to provide the students with better implied understanding of the concepts and to test their level of learning. Typical conceptual questions with answers and detailed solutions at the chapter end covering all important concepts, reaction equations, mechanisms and principles.

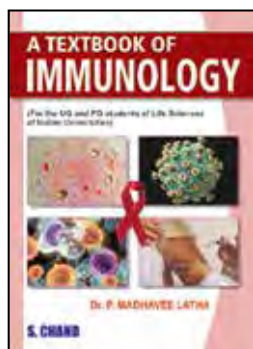
- Close to 500 diagrams and more than 60 tables interspersed throughout the text make it lucid and facilitate the grasping of concepts in an easy manner.
- Detailed subject index for quick cross-reference and detailed contents.

ISBN: 9789352837298 | 9789352837298 | Price: ₹ 625 | Pages: 1,528 | Size: 6.75" X 9.5" (Paperback)

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| 1. Structure of the Atom (i) (Quantum Mechanical Approach: Dalton to Bohr-Sommerfeld) | 15. Various Reactive forms and Isotopes of Hydrogen | Group Elements | 38. Fluorine and Fluorocarbons, |
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| 8. Chemical Bonding: Orbital Concept, 9. Structure of Solids | 22. General Characteristic of Group 13 (IIIA) Elements: Boron Group Elements | 32. Hydrides, Oxides and Oxy Acids of Nitrogen | 45. Group Discussion of d-Block Elements |
| 10. Oxidation – Reaction Reactions | 23. Chemistry of Group 13 (IIIA) Elements, their Compounds and Ceramics Industry | 33. Nitrides | 46. Extraction, Properties and uses of Some d- and f-Block Elements |
| 11. Standard Electrode Potentials | 24. Hydrides of Boron: Boranes | 34. Oxides, Oxy acids, Halides and Oxyhalides of Phosphorus | 47. Some Compounds of d- and f-Block Elements |
| 12. Modern Concepts of Acids and Bases | 25. General Characteristics of Group 14 (IVA) Elements: Carbon | 35. General Characteristics of Group 16 (VIA) Elements: Oxygen Group Elements | • Subject |
| 13. Non-Aqueous Solvents | | 36. Oxides, Oxy acids, Halides and Oxyhalides of Sulphur | • Index |
| 14. Principles and Processes of Metallurgy | | 37. General Characteristics of Group 17 (VII A) Elements: Halogens | |

R D Madan, Formerly Reader, Department of Chemistry, N.R.E.C. College, Khurja.



A Textbook of Immunology

P Madhavi Latha

ISBN: 9788121939188

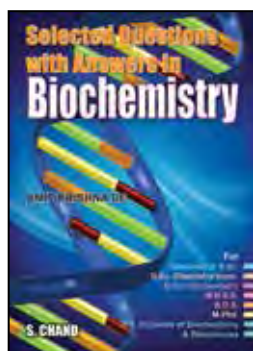
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Selected Questions with Answers in Biochemistry

Amit Krishna De

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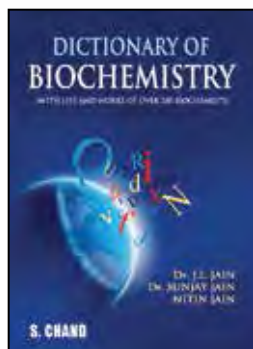
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Dictionary of Biochemistry

J L Jain, Sunjay Jain & Nitin Jain

Multicolour
Edition

ISBN: 9788121939072

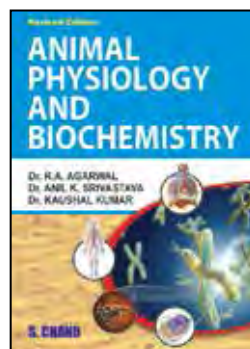
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Contents

Section-A: Biochemical Text, Section-B: Biochemist, Section-C: Appendices: I. Selected Bibliography, II. Greek Alphabet, III. Exponential Notation, IV. The International System of Units, V. Comparison of Metric and Other Units, VI. Mathematical Signs and Symbols, VII. Relative Sizes of Structures, from Atoms to Eggs, VIII. List of Abbreviations and Symbols, IX. The Nobel Prizes, X. A Chronology of Biochemistry



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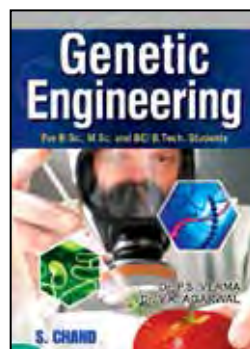
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Genetic Engineering

P S Verma & V K Agarwal

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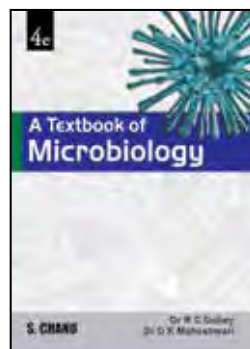
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1. Basic Principles of Gene Cloning, 2. Enzymes of Genetic Engineering, 3. Gene Cloning Vectors, 4. Genetic Engineering (Isolation, Sequencing and Synthesis of Gene), 5. Genetic Engineering and Future, 6. Genomic Mapping, 7. Genomics, Bioinformatics and Proteomics • Glossary • Selected Reading • Index



A Textbook of Microbiology 4e

R C Dubey & D K Maheshwari

Multicolour
Edition

ISBN: 9788121926201

Code: 1003D00333

Price: ₹ 825 | Pages: 1,056

Size: 6.75" X 9.5" (Paperback)

About the Book

This essential textbook guides the readers through a wide range of areas such as general microbiology, agriculture, medical, fermentation, food and dairy. It also gives a detailed account of defense mechanism working on immune system and antigen-antibody

interactions. Flourished with impressive collection of images to maximise understanding and retention, this textbook would be immensely useful for the students of the subject.

Key Features

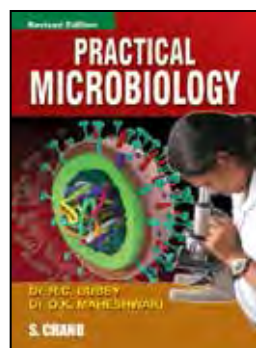
- Detailed discussion on important topics such as epidemiology, parasitism, antimicrobial chemotherapy and important human diseases
- Inclusion of three new chapters:
 - a). Chapter 16- Viruses - II: Plant Viruses and Sub-viral Agents
 - b). Chapter 17- Viruses – III: Animal Viruses and Prions
 - c). Chapter 19: Pharmaceutical Microbiology
- Comprehensively revised chapter on Viruses – I: General Characters

Contents

1. Introduction, 2. Classification of Microorganisms, 3. Methods in Microbiology, 4. The Microbial Cells: Morphology and Fine Structure, 5. The Nucleic Acids: DNA and RNA, 6. Gene: Concepts and Synthesis, 7. Genetic Code, 8. Microbial Genetics, 9. Mutation and Mutagenesis, 10. Gene Expression and Regulation, 11. Gene Cloning in Microorganisms: Genetic Engineering, 12. Microbial Metabolism, 13. Bacterial Photosynthesis, 14. Nitrogen Fixation, 15. Viruses-I: General Characters, 16. Viruses-II: Plant Viruses and Sub-viral Agents, 17. Viruses-III: Animal Viruses and Prions, 18. Viruses-IV: Bacteriophage, Cyanophages and Mycoviruses, 19. Pharmaceutical Microbiology, 20. Industrial Microbiology, 21. Microbiology of Milk, Dairy and Food, 22. Immunology, Defense mechanism, Immunity and diagnosis, 23. The Infectious Diseases: Epidemiology, Parasitism Chemotherapy, 24. Medical Microbiology I: Protozoan and Fungal Diseases, 25. Medical Microbiology II: Bacterial and Viral Diseases, 26. Human Cancer, 27. Cellular Microbiology, 28. Microbial Ecology I: Ecological Groups and Microbial Interactions, 29. Microbial Ecology III: Extremophiles (Acidophiles, Alkalophiles, Halophiles, Thermophiles and Hyperthermophiles, Psychrophiles, Barophiles), 30. Microbial Ecology III: Soil Microbiology, 31. Microbial Ecology IV: Water Microbiology, 32. Microbiology of Air (Aeromicrobiology), 33. Environmental Microbiology, 34. Agricultural Microbiology (Biofertilizers and Biopesticides), 35. Instrumentation in Microbiology, • Index

R C Dubey, Department of Botany & Microbiology, Gurukul Kangri University, Haridwar.

D K Maheshwari, Department of Botany & Microbiology, Gurukul Kangri University, Haridwar.



Practical Microbiology

R C Dubey &
D K Maheshwari

ISBN: 9788121921534

Code: 1003C00297

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Microbiology, 5e (Questions and Answers)

Purshotam Kaushik &
Kirti Kaushik

ISBN: 9789352831227

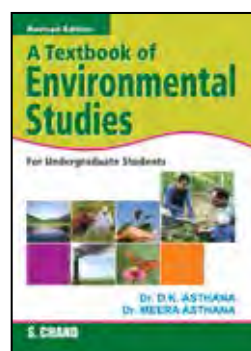
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Contents

1. History of Microbiology, 2. Development of Microbiology in India, 3. Microscopy, 4. Ecological Groups of Microorganisms, 5. Microbial Diversity, 6. Extremophiles: The Organisms which grow in Extreme or Harshesht Environments, 7. Aeromicrobiology (Microbiology of Air), 8. Prokaryotes (Procaryotes), 9. Bacteria, 10. Plasmids, 11. Bergey's Manual, 12. Viruses, 13. Ribosomal RNA in Microbial Taxonomy, 14. Cultivation (Cultures) and Growth of Microorganisms, 15. Control of Microbial Growth (Physical, Chemical and Antibiotic), 16. Normal Microflora, Symbiotic Relationship and Pathogenicity, 17. Medical Microbiology, 18. Microbial Diseases (Diseases Caused by Microorganisms), 19. Algae, Protozoa & Multicellular Parasites, 20. Infectious Diseases & Diagnostic Immunological Techniques, 21. Bacterial Pathogens and Diseases, 22. Fungal Diseases or Mycoses, 23. Human Immunodeficiency Virus and AIDS, 24. Immunology, 25. Microbial Genetics, 26. Microbial Biotechnology, 27. Animal Cloning, 28. Industrial Microbiology, 29. Pharmaceutical Microbiology and Microbial Technology, 30. Food and Dairy Microbiology, 31. Soil Microbiology, 32. Biogeochemical Cycling, 33. Water and Wastewater Microbiology, 34. Biofertilizers, 35. Mycorrhizae, 36. Biosensors: Bacteria that Detect Toxic Pollutants, 37. Biological Control, 38. Biopesticides, 39. Applications of Microbiology, 40. Molecular Biology, 41. Tools and Techniques of Molecular Biology, 42. Xenobiotics: The Foreign Chemicals in the Body, 43. Biochemistry of the Molecules of Life, 44. Carbohydrates or "Hydrates" of Carbon or Saccharides, 45. Lipids, 46. Proteins: Structure and Function, 47. Enzymes: Biological Catalysts or Biocatalysts, 48. Enzyme Technology or Applications of Enzymes, 49. Metabolism: Catabolism and Anabolism, 50. Milestones or Land Marks in Microbiology, 51. Bioinformatics, 52. Objective Assessment • Suggested Readings • Subject Index



A Textbook of Environmental Studies

D K Asthana &
Meera Asthana

ISBN: 9788121927642

Code: 1005C00121

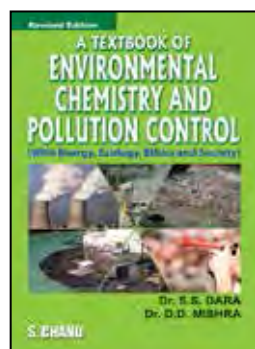
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Contents

Part-I: The Life Support System on our Planet: 1. The Environment: Introduction, 2. Ecosystem & Ecosystem Services, 3. The Impact of Human Activity on the Environment, Part-II: Natural Resources: 4. Natural Resources, 5. Land: A Precious Resource, 6. Freshwater, 7. Mineral Resources, 8. Energy Resources, 9. Forest Wealth, 10. Food Resources, Part-III: Biodiversity: 11. Bio-diversity and its Degeneration, 12. Ex-situ Conservation, 13. In-situ Conservation, Part-IV: Environmental Pollution: 14. The Pollution of Environment, 15. Pollution of Earth's Surface: Water and Soil-I: Simple Organic Wastes, 16. Pollution of Earth's Surface: Water and Soil-II: Complex

Degradable Wastes, 17. Pollution of Earth's Surface: Land and Water-III: Heavy Metal and Toxic Trace Elements, 18. Problems Caused by Harmful Physical Agents: Noise, Thermal and Radioactive Pollution, 19. Air Pollution, Part-V: Social Issues and the Environment: 20. Environmental Ethics and Value Education, 21. The Population Explosion, 22. Accelerated Urbanization, 23. Human Health and the Environment, 24. Human Rights and the Environment, 25. Acquired Immunodeficiency Syndrome (AIDS), 26. Disaster Management, Resettlement and Rehabilitation, 27. Sustainable Development, 28. Environment and Law: Evolution of the Legal Framework for Protection of Wildlife and Environment • *Reference • Glossary • Index*



A Textbook of Environmental Chemistry and Pollution Control

S S Dara & D D Mishra

ISBN: 9788121908832

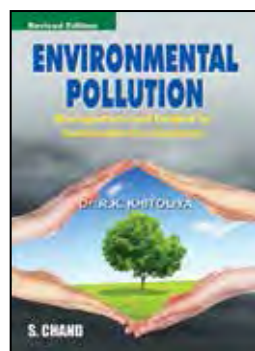
Code: 1004D00189

Price: ₹ 375 | Pages: 536

Size: 6.75" X 9.5" (Paperback)

Contents

1. Environmental Chemistry, 2. Environmental Pollution {A. Air Pollution, B. Water Pollution, C. Noise Pollution, D. Soil Pollution, E. Marine Pollution, F. Thermal Pollution, G. Nuclear Hazards (Pollution)}, 3. Solid Wastes – Pollution, Treatment and Disposal, 4. Hazardous Wastes, 5. Trace Elements – Pollution & Control, 6. Natural Resources, 7. Energy and Environment, 8. Ecosystems, 9. Genetic and Plant Biodiversity, 10. Bio-Technology and its Application in Environmental Protection, 11. Environmental Management, 12. Social Issues and the Environment, 13. Human Population and the Environment, 14. Effects of Electric and Magnetic Fields in the Environment, 15. Sustainable Development: New Approaches, 16. Green Chemistry for Clean Technology, 17. Ethics and Moral Values • *Appendices • Bibliography • Index*



Environmental Pollution

R K Khitoliya

ISBN: 9788121923859

Code: 1003B00309

Price: ₹ 350 | Pages: 656

Size: 6.75" X 9.5" (Paperback)

Contents

1. The Environmental Impacts of Human Actions, 2. Ecological Principles, 3. Water Pollution and Control, 4. Air Pollution and Control, 5. Noise Pollution and Control, 6. Thermal Pollution and Control, 7. Soil Pollution and Control, 8. Radioactive Pollution and Control, 9. Vehicular Pollution and Control, 10. Solid Waste Management, 11. Renewable Source of Energy, 12. Environmental Pollution Control Policy and Legislation, 13. Environmental Impact Assessment, 14. Environmental Education, 15. Environmental Audit, 16. ISO – 14001 (Environmental Management System), 17. Ozone Layer Depletion, 18. Green House Effect & Acid Rain, 19. Life Cycle Assessment and Environmental Management, 20. Risk Assessment and Environmental Pollution Control, 21. Collection and Preservation of Sampling, 22. Environment

Degradation; Causes of Natural Disaster, 23. Biotechnology & Slope Protection, 24. Watershed Management through Public Participation, 25. Bio-Medical Waste – Strategies of Management, 26. Hazardous Waste, 27. Electro Pollution, 28. Pollution in Space, 29. Rural Water Supply and Environmental Sanitation, 30. Light Pollution, 31. Electronic Waste and its Management • *Appendix • Index*



Environment

D K Asthana & Meera Asthana

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Code: 1003000252

Price: ₹ 350 | Pages: 456

Size: 6.75" X 9.5" (Paperback)

Contents

Part-One: The Environment: 1. Components of the Environment, 2. Impact of Biosphere on the Environment, Part-Two: Natural Resources and Their Exploitation: 3. Over-Exploitation of Natural Resources, 4. Fertile Soil and Sustainable Agriculture, 5. Live-Stock and Fishery Resources, 6. Fresh Water, 7. Mineral Resources, 8. Energy Resources, 9. Forest Wealth, Part-Three: Pollution of the Environment: 10. Types of Pollution and their Fate in Environment, 11. Pollution of Earth's Surface: Land and Water (Simple Bio-Degradable Wastes), 12. Pollution of Earth's Surface: Land and Water (Complex Bio-Degradable Substances), 13. Pollution of Earth's Surface: Land and Water (Non-Degradable Pollutants), 14. Nuisance Caused by Harmful & Irritating Physical Agents: Noise, Thermal and Radio –Active Pollution), 15. Pollution of the Atmosphere Part-Four: Biodiversity: 16. Bio-Diversity and its Degeneration, 17. Ex-Situ Conservation, 18. In – Situ Conservation, 19. Environment and Law: Emergence of Global Concern for Environment and Evolution of Legal Framework, Part-Five: Environmental Management: 20. Development or Destruction, 21. Toxic Material in the Environment and Exposure Risk Assessment (Toxicology), 22. Environment Impact Assessment and Cost Benefit Analyses, 23. Management of Environmental Quality (Sustainable Development or Conservation Linked Development), 24. Environmental Quality Monitoring, 25. Instrumental Methods of Analysis used in Monitoring of Environmental Quality • *Suggested Readings • Glossary • Index*



Fundamental Concepts in Environmental Studies

D D Mishra

ISBN: 9788121929370

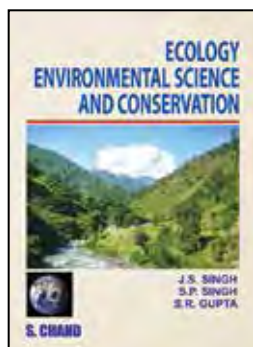
Code: 1005C00134

Price: ₹ 275 | Pages: 280

Size: 6.75" X 9.5" (Paperback)

Contents

1. Multidisciplinary Nature of Environmental Studies, 2. Natural Resources, 3. Ecosystems, 4. Biodiversity and Its Conservation, 5. Environmental Pollution, 6. Social Issues and the Environment, 7. Human Population and the Environment • *Bibliography*



Ecology, Environmental Science & Conservation

J S Singh, S P Singh &
S R Gupta

ISBN: 9789383746002

Code: 1003A00424

Price: ₹ 700 | Pages: 944

Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Ecology and Environment: 1. Ecology and Environmental Sustainability, 2. Solar Radiation and Temperature, 3. Water Relations, 4. Soil and Belowground Interactions, 5. Fire Ecology and Disturbance, 6. Adaptations, Ecotypes and Genecology, 7. Biogeography and Life Zones, Part-II: Population and Community: 8. Populations: Characteristics, Growth and Regulation, Dynamics and Genetics, 9. Species Interactions, 10. Community: Nature, Structure, Attributes and Control, 11. Methods of Sampling Vegetation and Data Analysis, 12. Community Dynamics: Succession, Part-III: Ecosystem Ecology: 13. Ecosystem: Structure, Function and Processes, 14. Primary Productivity and Detritus Pool, 15. Energy Transfers Beyond Primary Producers, 16. Global Biogeochemical Cycles and Human Impact, 17. Ecosystem Nutrient Cycling, 18. Terrestrial Biomes and Aquatic Areas, Part-IV: Environmental Pollution: 19. Air and Noise Pollution, 20. Water Pollution, 21. Soil Pollution-metals, Pesticides, Isotopes and Wastes, 22. Ecotoxicology, Part-V: Global Change: 23. Global Environmental Change, 24. Biological Invasion: Process, Impacts and Prevention, Part-VI: Natural Resources and Biodiversity: 25. Natural Resources: Human Impacts and Conservation, 26. Biodiversity: Magnitude, Functions and Services, Threatened Species and Conservation, 27. Remote Sensing and Geographic Information System, Part-VII: Environment and Society: 28. Ecological Restoration, 29. Environmental Impact Assessment, 30. Sustainable Development and Ecological Economics, 31. Human Population and Urbanization • References • Index



पर्यावरण विज्ञान

विजय कुमार तिवारी

ISBN: 9788121932165

Code: 1034000007

Price: ₹ 250 | Pages: 512

Size: 6.75" X 9.5" (Paperback)

विषय-सूची

1. पर्यावरण अध्ययन के विविध पक्ष, 2. प्राकृतिक संसाधन, 3. वन संसाधन, 4. जल संसाधन, 5. खनिज संसाधन, 6. खाद्य संसाधन, 7. ऊर्जा संसाधन, 8. भूमि संसाधन, 9. पारिस्थितिक तंत्र, 10. जैव विविधता एवं उसका संरक्षण, 11. पर्यावरण प्रदूषण, 12. वायु प्रदूषण, 13. जल प्रदूषण, 14. समुद्री प्रदूषण, 15. मृदा एवं भूमि प्रदूषण, 16. ध्वनि (शोर) प्रदूषण, 17. तापीय प्रदूषण, 18. विकिरण एवं नाभिकीय प्रदूषण, 19. ठोस अपशिष्ट प्रबंधन, 20. प्रदूषण संबंधी प्रकरण अध्ययन, 21. मानव जनसंख्या एवं पर्यावरण, 22. पर्यावरण एवं मानव स्वास्थ्य, 23. सामाजिक निर्गम एवं पर्यावरण, 24. जल संसाधन प्रबंधन, 25. जलवायु परिवर्तन एवं विश्व का बढ़ता तापमान, 26. पड़ती भूमि सुधार, 27. सामाजिक समस्याएँ एवं पर्यावरण, 28. आपदा प्रबंधन • परिशिष्ट: वस्तुनिष्ठ प्रश्न • संदर्भ ग्रंथ सूची



Environmental Biology

H R Singh

ISBN: 9788121924764

Code: 1003A00323

Price: ₹ 199 | Pages: 248

Size: 6.75" X 9.5" (Paperback)

Contents

1. Introduction, 2. Organism and Environment, 3. Population, 4. Biotic Community, 5. Ecosystem, 6. Biosphere Degradation and Environmental Problems, 7. Biodiversity, 8. Environmental Toxicology, 9. Environmental Biotechnology • Answers to MCQs • References • Index

Books for Gujarat Technical University



Environmental Science

Dr. Arun Luiz T

Dr. Mayank M Dalal

ISBN: 9789352835898

Code: 9789352835898

Price: ₹ 99 | Pages: 112

Size: 6.75" X 9.5" (Paperback)

About the Book

This book comprises of five units which covers the entire syllabus. Topics like principles of environmental science, environmental pollution, social issues like acid rain, global warming, etc are included. New developments like Green buildings and smart cities are also included. This book has been written in a simple and lucid manner. Most of these topics are traditionally taught in environmental science and engineering in several universities and institutes. Hence this book will be useful for other universities as well. Figures and tables are incorporated wherever necessary to make the concept clearer. This book also contains short questions with answers and review questions. Case studies on various environmental issues have been included.

Key Features

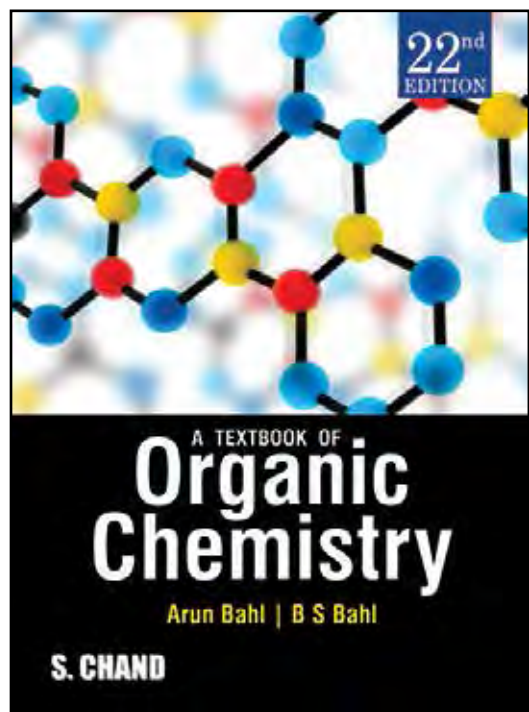
- This book comprises of five units which covers the entire syllabus.
- Topics like principles of environmental science, environmental pollution, social issues like acid rain, global warming, etc are included.
- The short questions with answers and review questions included.
- Case studies on various environmental issues have been included.

Contents

1. Introduction to Environment, 2. Environmental Pollution, 3. Global Environmental Issues, 4. Basic Concept of Green Building and Smart Cities, 5. Concept of 4R's • Appendix

Dr. Arun Luiz T M.Sc., Ph.D. Assistant Professor, Department of Chemistry SSN College of Engineering, Kalavakkam, Kanchipuram, Tamil Nadu, India.

Dr. Mayank M Dalal M.Sc., Ph.D. Associate Professor, Department of Chemistry Member, BOS – Chemistry – GTU HOD, Applied Science & Humanities Department Sarvajani College of Engineering & Technology, Surat, Gujarat, India



A Textbook of Organic Chemistry, 22e

Arun Bahl & B S Bahl

Multicolour
Edition

About the Book

With an increased focus on fundamentals, this new edition of *A Textbook of Organic Chemistry* continues to present the time-tested functional group approach to the subject. This examination-oriented book breaks the intricacies of Organic Chemistry into easy-to-understand steps which gives the student the necessary foundation to build upon, learn and understand Organic Chemistry in a way that is efficient as well as long-lasting.

Key Features

- Chemistry of aliphatic and aromatic compounds is treated separately
- All reaction mechanisms are presented using the latest conventions
- Coloured illustrations and graphics highlight and reinforce the presentation of important points
- Over 3300 questions helping the students to achieve deeper understanding of the subject through constant reinforcement and practice

Instructor's Resource available

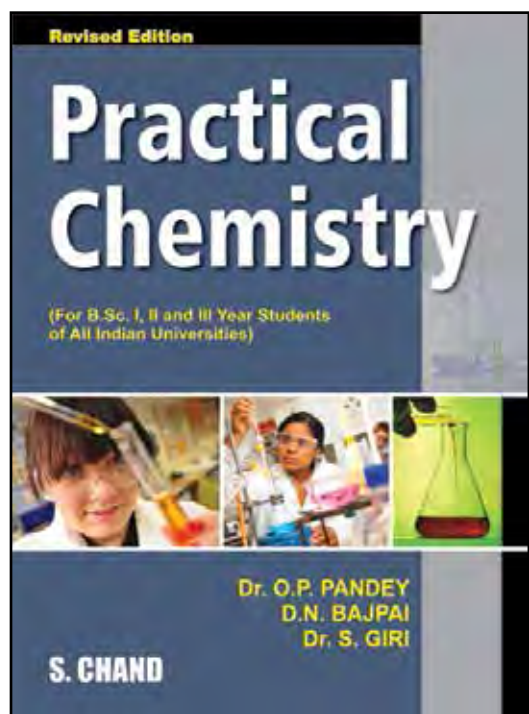
ISBN: 9789352531967 | Code: 9789352531967 | Price: ₹ 899 | Pages: 1,128 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | | |
|--|--|--|--|
| 1. Getting Started | 13. Alkyl Halides | 27. Amines | 42. Aromatic Carboxylic Acids |
| 2. Purification of Organic Compounds | 14. Organometallic Compounds | 28. Amino Acids, Peptides and Proteins | 43. Dyes: Color and Constitution |
| 3. Composition of Organic Compounds | 15. Alcohols | 29. Cycloalkanes | 44. Naphthalene |
| 4. Empirical and Molecular Formulae | 16. Polyhydric Alcohols | 30. Ureides and Purines | 45. Anthracene and Phenanthrene |
| 5. Structure of Organic Molecules | 17. Ethers and Epoxides | 31. Carbohydrates | 46. Heterocyclic Compounds |
| 6. Organic Reactions and their Mechanism | 18. Thiols and Thioethers | 32. Aromatic Compounds | 47. Alkaloids |
| 7. Isomerism | 19. Aldehydes and Ketones | 33. Benzene and its Homologues | 48. Terpenes |
| 8. Nomenclature of Organic Compounds | 20. Carboxylic Acids | 34. Directive Effects of Substituents | 49. Synthetic Polymers |
| 9. Spectroscopy | 21. Dicarboxylic Acids | 35. Aromatic Halogen Compounds | 50. Vitamins, Steroids and Antibiotics |
| 10. Alkanes and Petroleum | 22. Hydroxy and Halo Acids | 36. Aromatic Sulfonic Acids | 51. Predicting Trends |
| 11. Alkenes | 23. Carboxylic Acid Derivatives | 37. Aromatic Nitro Compounds | 52. Multistep Synthesis |
| 12. Alkynes | 24. Nitriles, Isonitriles, Nitroalkanes and Diazomethane | 38. Aromatic Amines | 53. 500 New Multiple Choice Questions |
| | 25. Acetoacetic Ester and Malonic Ester | 39. Aryldiazonium Salts | • Glossary |
| | 26. Fats and Oils; Soaps and Detergents | 40. Phenols and Aromatic Ethers | • Index |
| | | 41. Aromatic Aldehydes and Ketones | |

B S Bahl, Principal and Head of the Department, Chemistry, DAV College, Jalandhar.

Arun Bahl, Formerly Professor of Chemistry, Panjab University, Chandigarh..



Practical Chemistry

O P Pandey, D N Bajpai & S Giri

Instructor's Resource available

About the Book

The book serves as a self-help for Practical Chemistry as it presents a clear understanding of the methods and procedures used to test a particular sample. It aims to educate the students by developing a habit of scientific reasoning among them and making them familiar with technicalities involved in analytical procedures so that they are able to provide promising results with utmost clarity. Difficult concepts have been presented in a simple and lucid manner to make the book useful for the entire undergraduate programme.

Key Features

- Three new chapters as per examination requirements, Conductometric Titrations, Potentiometric Titrations, and Determination of Molecular Weight
- Important additions in two chapters, Few Inorganic Preparations and Few organic Preparations
- A separate chapter on Viva voce questions to help students prepare for practical examination

ISBN: 9788121908122 | Code: 1004E00033 | Price: ₹ 325 | Pages: 296 | Size: 6.75" X 9.5" (Paperback)

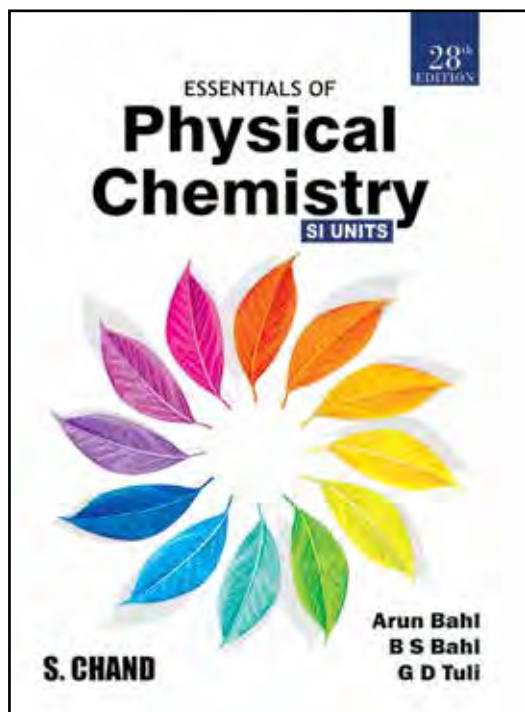
Contents

- | | |
|---|---|
| 1. Elementary Idea in Analysis | 11. Few Inorganic Preparations |
| 2. Analysis of Acid Radicals (Macro Method) | 12. Qualitative Organic Analysis |
| 3. Analysis of Basic Radicals as Cations (Macro Method) | 13. Few Organic Preparations |
| 4. Analysis of Insoluble Compounds | 14. Experiments on Physical Chemistry |
| 5. Some Useful Tests Beyond Systematic Analysis | 15. Conductometric Titrations |
| 6. Semi-micro Analysis | 16. Potentiometric Titrations |
| 7. Spot Test Analysis (Micro Analysis) | 17. Molecular weight Determination |
| 8. Review Questions | 18. Viva-Voce |
| 9. Volumetric Analysis (Titrimetric Analysis) | |
| 10. Gravimetric Analysis | <ul style="list-style-type: none"> • <i>Appendices</i> • <i>Logarithms Tables</i> |

O P Pandey, Formerly Principal, B.B.N. Degree College, Kanpur.

D N Bajpai, Formerly Reader, Department of Chemistry, B.S.N.V. Post Graduate College, Lucknow.

S Giri, Formerly Professor and Head of Department - Chemistry, University of Gorakhpur, Gorakhpur.



Essentials of Physical Chemistry 28e

Arun Bahl, B S Bahl & G D Tuli



About the Book

Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations.

Key Features

- SI Units have been used throughout the text
- Numerous figures and solved problems have been provided for effective understanding of the concepts
- More than 1500 university examination questions and 1700+ multiple choice questions have been provided to test understanding of the concepts

Instructor's Resource available

ISBN: 9789352836093 | Code: 9789352836093 | Price: ₹ 950 | Pages: 1,240 | Size: 6.75" X 9.5" (Paperback)

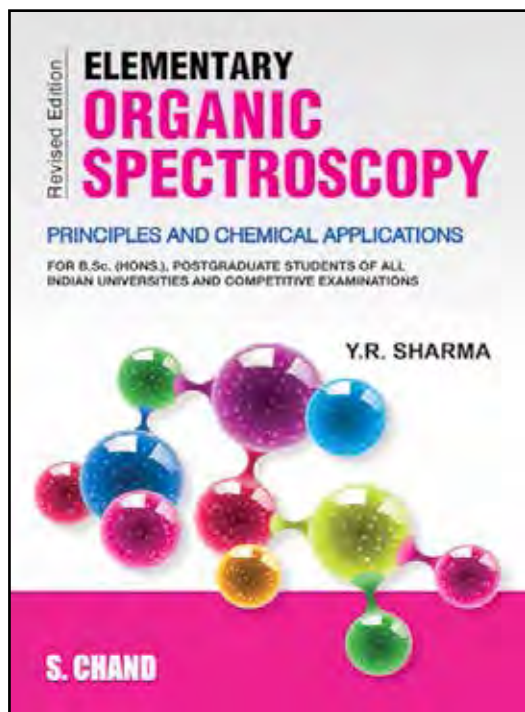
Contents

- | | | |
|---|---|---|
| 1. Structure of Atom—Classical Mechanics | 12. Solid State | 24. Electrolysis and Electrical Conductance |
| 2. Structure of Atom—Wave Mechanical Approach | 13. Physical Properties and Chemical Constitution | 25. Theory of Electrolytic Dissociation |
| 3. Isotopes, Isobars and Isotones | 14. Solutions | 26. Ionic Equilibria Solubility Product |
| 4. Nuclear Chemistry | 15. Theory of Dilute Solutions | 27. Acids and Bases |
| 5. Chemical Bonding—Lewis Theory | 16. Osmosis and Osmotic Pressure | 28. Salt Hydrolysis |
| 6. Chemical Bonding—Orbital Theory | 17. Chemical Equilibrium | 29. Electromotive Force |
| 7. First Law of Thermodynamics—Basic Concepts | 18. Distribution Law | 30. Photochemistry |
| 8. Thermochemistry | 19. The Phase Rule | 31. SI Units |
| 9. Second Law of Thermodynamics | 20. Chemical Kinetics | 32. Mathematical Concepts |
| 10. Gaseous State | 21. Catalysis | • Appendix |
| 11. Liquid State | 22. Colloids | • Index |
| | 23. Adsorption | |

Arun Bahl, Professor of Organic Chemistry, Panjab University, Chandigarh

B S Bahl, Formerly Head of Postgraduate Department of Chemistry, DAV College, Jalandhar

G D Tuli, Formerly Principal, Shyam Lal College, University of Delhi



Elementary Organic Spectroscopy

Y R Sharma

About the Book

This textbook aims to provide a broad survey of the methods and their application on selected representative molecules providing an effective insight to the absorption techniques in organic spectroscopy. It introduces readers to spectra and basic theoretical concepts in spectroscopic methods and updates on the latest advances in spectroscopy. This book can be used as a primary text or as a supplemental text with organic chemistry.

Multicolour
Edition

Instructor's Resource available

Key Features

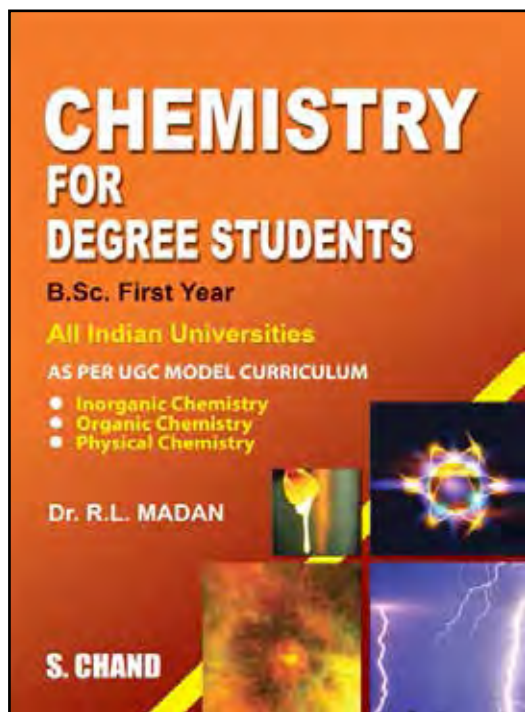
- Inclusion of a new chapter on Raman Spectroscopy
- Multiple choice questions and numerical problems to test effective understanding
- Spectral diagrams have been provided at relevant places to facilitate understanding of the concepts.

ISBN: 9788121928847 | Code: 1004C00305 | Price: ₹ 599 | Pages: 384 | Size: 6.75" X 9.5" (Paperback)

Contents

- | | | |
|--|---|-------------------------|
| 1. Introduction | 6. Numerical Problems on UV; IR and NMR | • <i>Subject Index</i> |
| 2. Ultra-Violet and Visible Spectroscopy | | • <i>Compound Index</i> |
| 3. Infra-Red Spectroscopy | 7. Mass Spectrometry | |
| 4. Raman Spectroscopy | | |
| 5. Nuclear Magnetic Resonance Spectroscopy | • <i>Multiple Choice Question</i> | |
| | • <i>Answers to Problems</i> | |

Y R Sharma, Post Graduate Department of Chemistry, D A V College, Jalandhar.



Chemistry for Degree Students B.Sc. First Year

R L Madan

About the Book

An outgrowth of more than three decades of classroom teaching experience, this book provides a comprehensive treatment of the subject. It comprises three parts; Inorganic, Organic and Physical Chemistry. Illustrations and diagrams are provided to help students in understanding the chemical structures and reactions. This book will meet the requirements of undergraduate students of B.Sc. First Year of all Indian universities.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Inclusion of a new chapter on "Thermodynamics"
- Innumerable illustrations and interesting examples

Instructor's Resource available

ISBN: 9788121932301 | Code: 1004D00318 | Price: ₹ 650 | Pages: 984 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Inorganic Chemistry

1. Atomic Structure
2. Periodic Properties
3. Covalent Bond
4. Ionic Bond
5. s-Block Elements
6. p-Block Elements
7. Chemistry of Noble Gases

Part-II: Organic Chemistry

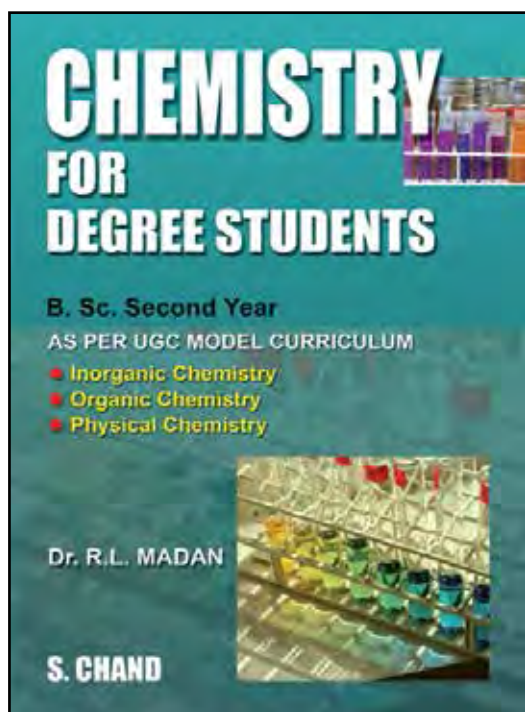
1. Structure and Bonding
2. Mechanism of Organic Reactions
3. Stereochemistry of Organic Compounds
4. Alkanes and Cycloalkanes

5. Alkenes, Cycloalkenes, Dienes and Alkynes
6. Arenes and Aromaticity
7. Alkyl and Aryl Halides

Part-III: Physical Chemistry

1. Mathematical Concepts and Computers
2. Gaseous States
3. Liquid State
4. Solid State
5. Colloidal State
6. Chemical Kinetics
7. Catalysis
8. Thermodynamics-I

R L Madan, Formerly Head of Chemistry Department, Government Postgraduate College, Faridabad and Principal, Government College, Panchkula.



Chemistry for Degree Students B.Sc. Second Year

R L Madan

About the Book

This textbook is written to meet the requirements of undergraduate students of B.Sc. Second Year of all Indian universities. Comprising three parts Inorganic, Organic and Physical, it comprehensively details all the principles of chemistry. Illustrations and diagrams are provided to help students in understanding the chemical structures and reactions.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Interesting examples and illustrations provided throughout the text
- Exercises based on questions from different university papers

ISBN: 9788121935388 | Code: 1004C00323 | Price: ₹ 675 | Pages: 1,120 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Inorganic Chemistry

1. Chemistry of Elements of First Transition Series
2. Chemistry of Elements of Second and Third Transition Series
3. Oxidation and Reduction
4. Coordination Compounds
5. Chemistry of Lanthanide Elements
6. Chemistry of Actinides
7. Non-Aqueous Solvents

Part-II: Organic Chemistry

1. Electromagnetic Spectrum: Absorption Spectra
2. Alcohols
3. Phenols

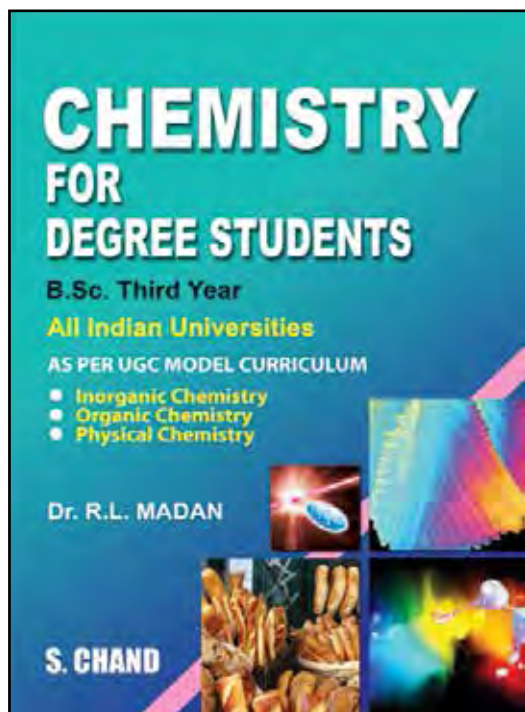
4. Ethers and Epoxides

5. Carboxylic Acids
6. Carboxylic Acid Derivatives
7. Organic Compounds of Nitrogen

Part-III: Physical Chemistry

1. Thermodynamics – I
2. Thermodynamics – II
3. Chemical Equilibrium
4. Phase Rule
5. Liquid-Liquid Mixtures
6. Distribution Law
7. Electrochemistry – I
8. Electrochemistry - II

R L Madan, Formerly Head of Chemistry Department, Government Postgraduate College, Faridabad and Principal, Government College, Panchkula.



Chemistry for Degree Students, B.Sc. Third Year

R L Madan

About the Book

This textbook has been written to meet the requirements of undergraduate students of B.Sc. Third Year of all Indian universities. Comprising three parts Inorganic, Organic and Physical, it details all the principles of chemistry. Illustrations and diagrams are provided to help students in understanding chemical structures and reactions.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Interesting examples and illustrations provided throughout the text
- Chapter-end exercises in line with the latest pattern of examination

ISBN: 9788121935333 | Code: 1004C00321 | Price: ₹ 650 | Pages: 944 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Inorganic Chemistry:

1. Hard and Soft Acids and Bases
2. Metal Ligand Bonding in Transition Metal Complexes
3. Magnetic Properties of Transition Metal Complexes
4. Electronic Spectra of Transition Metal Complexes
5. Thermodynamic and Kinetic Aspects of Metal Complexes
6. Organometallic Chemistry
7. Bioinorganic Chemistry
8. Silicones and Phosphazenes

Part-II: Organic Chemistry:

1. Spectroscopy
2. Organometallic Compounds
3. Organosulphur Compounds
4. Heterocyclic Compounds

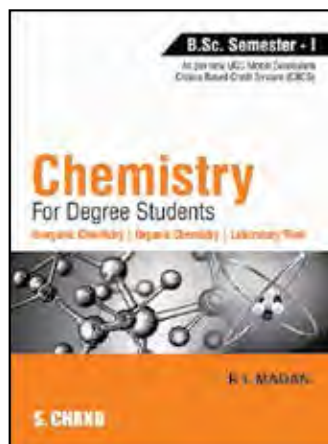
5. Organic Synthesis Via Enolates

6. Carbohydrates
7. Amino Acids, Peptides, Proteins and Nucleic Acid
8. Fats, Oils, Soaps and Detergents
9. Synthetic Polymers
10. Synthetic Dyes

Part-III: Physical Chemistry:

1. Elementary Quantum Mechanics
2. Spectroscopy
3. Photochemistry
4. Physical Properties and Molecular Structure
5. Solutions, Dilute Solutions and Colligative Properties
6. Statistical Mechanics

R L Madan, Formerly Head of Chemistry Department, Government Postgraduate College, Faridabad and Principal, Government College, Panchkula.



Chemistry for Degree Students, B.Sc. Semester I

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. First Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as atomic structure, chemical bonding, molecular structure, fundamentals of organic chemistry, stereochemistry and aliphatic hydrocarbons are aptly discussed to give an overview of inorganic and organic chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 900 questions, to enhance and strengthen learning of the students

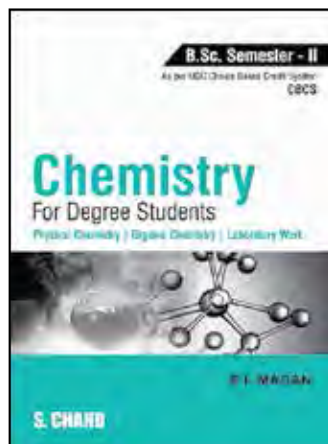


ISBN: 9789352533039 | Code: 9789352533039 | Price: ₹ 325 | Pages: 488 | Size: 6.75" X 9.5" (Paperback)

Contents

Inorganic Chemistry: 1. Atomic Structure, 2. Ionic Bonding, 3. Covalent Bonding, Organic Chemistry: 1. Fundamentals of Organic Chemistry, 2. Benzenoids and Aromaticity, 3. Stereochemistry of Organic Compounds, 4. Alkanes, 5. Alkenes, 6. Alkynes, Laboratory Work: 1. Volumetric Analysis—Apparatus and Techniques, 2. Acid-alkali Titrations, 3. Potassium Permanganate Titrations, 4. Potassium Dichromate Titrations, 5. Iodine Titrations, 6. Detection of Elements, 7. Paper Chromatography

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester II

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. Second Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as chemical energetics, chemical/ionic equilibrium, aromatic hydrocarbons, alkyl/aryl halides, alcohols, phenols, ethers, aldehydes and ketones are aptly discussed to give an overview of physical and organic chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Over 250 interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 800 questions, to enhance and strengthen learning of the students

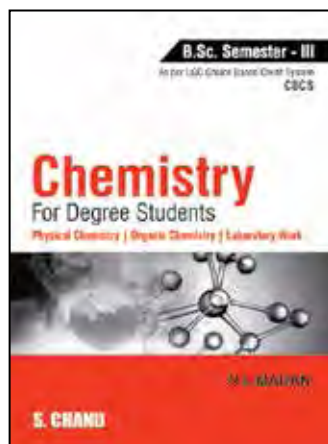


ISBN: 9789352533046 | Code: 9789352533046 | Price: ₹ 310 | Pages: 440 | Size: 6.75" X 9.5" (Paperback)

Contents

Physical Chemistry: 1. Chemical Energetics, 2. Chemical Equilibrium, 3. Ionic Equilibrium, Organic Chemistry: 1. Aromatic Hydrocarbons, 2. Alkyl and Aryl Halides, 3. Alcohols, 4. Phenols, 5. Ethers (Aliphatic and Aromatic), 6. Aldehydes and Ketones, Laboratory Work: 1. Thermochemistry, 2. Ionic Equilibria, 3. Purification of Organic Compounds by Crystallization, 4. Distillation, 5. Determination of Melting and Boiling Points, 6. Organic Preparations

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester III

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. Third Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as solutions, phase equilibrium, conductance, electrochemistry, carboxylic acids, amines, diazonium salts, amino acids, peptides, proteins and carbohydrates are aptly discussed to give an overview of physical and organic chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Over 450 interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 900 questions, to enhance and strengthen learning of the students

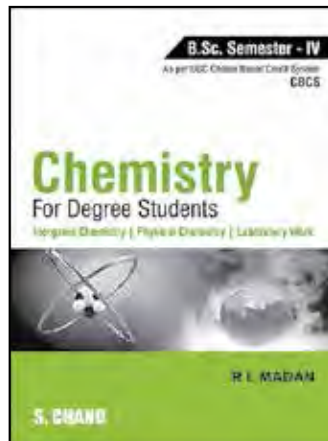


ISBN: 9789352535200 | Code: 9789352535200 | Price: ₹ 325 | Pages: 528 | Size: 6.75" X 9.5" (Paperback)

Contents

Physical Chemistry: 1. Solutions, 2. Phase Equilibrium, 3. Conductance, 4. Electrochemistry, 5. Distribution Law, **Organic Chemistry:** 1. Carboxylic Acids, 2. Carboxylic Acid Derivatives, 3. Amines and Diazonium Salts, 4. Amino Acids, Peptides and Proteins, 5. Carbohydrates, **Laboratory Work:** 1. Distribution Law, 2. Phase Equilibria, 3. Conductance, 4. Potentiometry, 5. Qualitative Organic Analysis, 6. Analysis of Amino Acids and Carbohydrates

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester IV

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. Fourth Semester students of Chemistry as per the UGC Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as transition elements, coordination chemistry, crystal field theory, kinetic theory of gases, liquids, solids and chemical kinetics are aptly discussed to give an overview of inorganic and physical chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

Key Features

- Highlights important laws, concepts and principles for a more focussed learning
- Over 500 interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 800 questions, to enhance and strengthen learning of the students

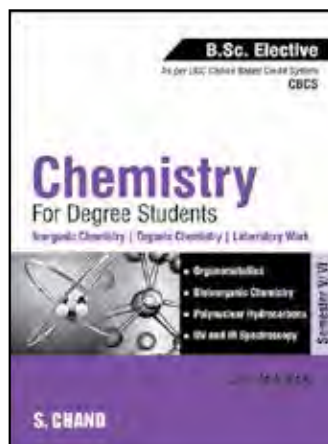


ISBN: 9789352535194 | Code: 10HE000015 | Price: ₹ 325 | Pages: 512 | Size: 6.75" X 9.5" (Paperback)

Contents

Inorganic Chemistry: 1. Transition Elements (3d Series), 2. Lanthanoids, 3. Actinoids, 4. Coordination Chemistry-I (Valence Bond Theory), 5. Coordination Chemistry-II (Crystal Field Theory), **Physical Chemistry:** 1. Kinetic Theory of Gases, 2. Liquids, 3. Solids, 4. Chemical Kinetics, **Laboratory Work:** 1. Qualitative Inorganic Analysis (Macro-Analysis), 2. Analysis of Acid Radicals, 3. Interference among Acid Radicals, 4. Analysis of Basic Radicals, 5. Semi-Micro Analysis, 6. Gravimetric Analysis, 7. Photocolorimetry, 8. Edta Titrations, 9. Flame Photometry, 10. Surface Tension of Liquids, 11. Viscosity of Liquids, 12. Chemical Kinetics

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester V/VI (Elective)

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. students of Chemistry as per the UGC Choice Based Credit System (CBCS). This book covers one of the discipline specific elective (DSE) papers, covering topics such as *Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV & IR Spectroscopy*. With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.



Key Features

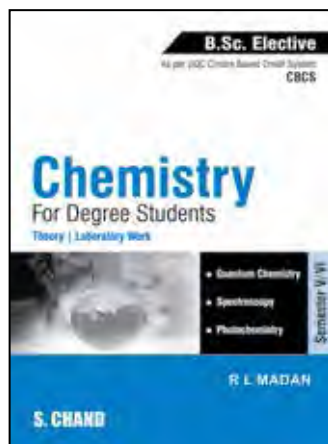
- Highlights important laws, concepts and principles for a more focussed learning
- Over 325 interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 500 questions, to enhance and strengthen learning of the students

ISBN: 9789352535859 | Code: 9789352535859 | Price: ₹ 250 | Pages: 336 | Size: 6.75" X 9.5" (Paperback)

Contents

Inorganic Chemistry: 1. Chemistry of 3d Metals, 2. Organometallic Compounds, 3. Bioinorganic Chemistry, Organic Chemistry: 1. Polynuclear Aromatic Compounds, 2. Heteronuclear Aromatic Compounds, 3. Active Methylene Compounds (Acetoacetic and Malonic Ester), 4. Ultraviolet Spectroscopy, 5. Infrared Absorption Spectroscopy, Laboratory Work: 1. Paper Chromatography, 2. Preparation of Complex Compounds, 3. Qualitative Organic Analysis

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester V/VI (Elective)

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. students of Chemistry as per the UGC Choice Based Credit System (CBCS). It covers one of the discipline specific elective (DSE) papers, discussing topics such as *Quantum Chemistry, Spectroscopy and Photochemistry*. With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.



Key Features

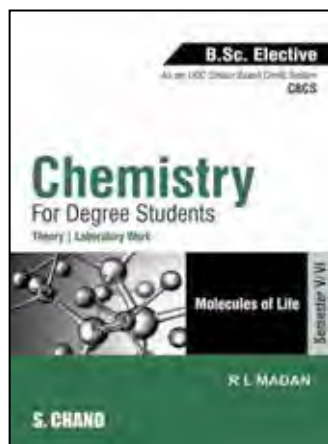
- Highlights important laws, concepts and principles for a more focussed learning
- Over 250 interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having more than 250 questions, to enhance and strengthen learning of the students

ISBN: 9789352830435 | Code: 10HE000037 | Price: ₹ 250 | Pages: 280 | Size: 6.75" X 9.5" (Paperback)

Contents

Theory: 1. Quantum Chemistry-I, 2. Quantum Chemistry-II (Chemical Bonding), 3. Molecular Spectroscopy, 4. Photochemistry, Laboratory Work: 1. Ultraviolet/Visible Spectroscopy, 2. Colorimetry, 3. Vibrational-Rotational Spectrum of HCl (g)

R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Chemistry for Degree Students, B.Sc. Semester V/VI (Elective)

R L Madan

About the Book

This textbook has been designed to meet the needs of B.Sc. students of Chemistry as per the UGC Choice Based Credit System (CBCS). It is for one of the discipline specific elective (DSE) papers, covering concept of *Molecules of Life*, discussing topics such as Carbohydrates, Proteins, Enzymes, Nucleic Acids, Lipids and Energy in Biosystems. With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.



Key Features

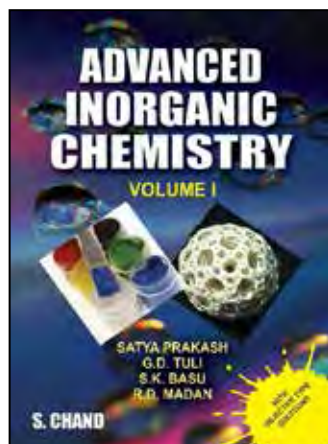
- Highlights important laws, concepts and principles for a more focussed learning
- Enriched with interesting examples and illustrations provided throughout the text
- Engaging chapter-end exercises, having close to 450 questions, to enhance and strengthen learning of the students

ISBN: 9789352830428 | Code: 10HE000063 | Price: ₹ 215 | Pages: 200 | Size: 6.75" X 9.5" (Paperback)

Contents

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R L Madan, Formerly Principal, Government College, Panchkula and Former Head of the Chemistry Department, Government Postgraduate College, Faridabad.



Advanced Inorganic Chemistry-VOLUME I

Satya Prakash, G D Tuli, S K Basu & R D Madan

About the Book

Advanced Inorganic Chemistry - Volume I is a concise book on basic concepts of inorganic chemistry. It acquaints the students with the basic principles of chemistry and further dwells into the chemistry of main group elements and their compounds. It primarily caters to the undergraduate courses (Pass and Honours) offered in Indian universities.

Key Features

- More than 350 figures to facilitate understanding of concepts
- Over 700 questions from various university examinations and close to 900 multiple choice questions at the end of the book to test understanding of the concepts

ISBN: 9788121902632 | Code: 1004B00231 | Price: ₹ 850 | Pages: 1,414 | Size: 6.75" X 9.5" (Paperback)

Contents

Part-I: Basic Principles of Chemistry: 1. Quantum Mechanical Concepts of Atomic Structure: Rutherford's and Bohr's Atomic Models, 2. Wave Mechanical Concepts of Atomic Structure, 3. Periodic Table, 4. Electronic Configuration of Elements, 5. Atomic Properties: Periodic Properties, 6. Radioactivity, 7. Isotopes, Isotones, Isobars and Nuclear Isomers, 8. Nuclear Chemistry: Chemistry of the Nucleus, 9. Nuclear Reactions, 10. Different Types of Chemical Bonds, 11. Molecular Orbital Theory of Simple Diatomic Molecules and Ions, 12. Valence – Shell Electron – Pair Repulsion (VSEPR) Theory: Shape of Molecules and Ions, 13. Hybridization and its Different Types, 14. Structure and Shape of Molecules / Ions Containing only Sigma Bonds, 15. Structure and Shape of Molecules/ Ions Containing Sigma as well as Pi Bonds, 16. Structure of Solids, 17. Redox Reactions, 18. Electrode Potentials and Electrochemical Series, 19. Concepts of Acids and Bases, 20. General Principles of Extraction of Metals and Furnances, 21. Nomenclature of Inorganic Compounds, Part-II: Chemistry of Main Group Elements and Their Compounds (s-and p-block Elements): 22. General Characteristics of Main Group Elements (s-and p-block elements), 23. Group Discussion of Main Group Elements (s-and p-block elements), 24. Occurrence, Extraction / Isolation, Properties and Uses of some main Group Elements, 25. Hydrides of Main Group Elements, 26. Carbides of Main Group Elements, 27. Nitrides of Main Group Elements, 28. Oxides of Main Group Elements, 29. Halides and Oxy-halides of Main Group Elements, 30. Oxy-acids of Boron (Boric Acids) and their Salts, 31. Oxy-acids of Nitrogen and their Salts, 32. Oxy-acids of Phosphorus and their Salts, 33. Oxy-acids of Sulphur and their Salts, 34. Oxy-acids of Halogens and their Salts, 35. Fixation of Nitrogen and Fertilisers,

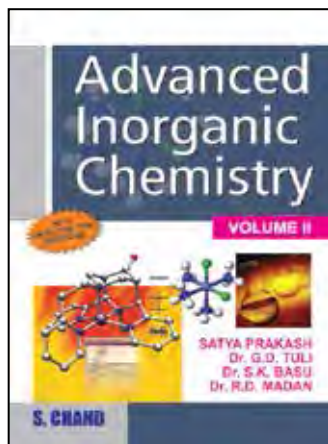
36. Inorganic Polymers, 37. Important Compounds of Main Group Elements, 38. Miscellaneous Topics • Multiple Choice Questions • Subject Index

Satya Prakash, Formerly Professor, Allahabad University, Allahabad.

G D Tuli, Formerly Principal, Shyam Lal College, University of Delhi, Delhi.

S K Basu, Formerly Professor, Banaras Hindu University, Varanasi.

R D Madan, Formerly Reader, Department of Chemistry, NREC College, Khurja.



Advanced Inorganic Chemistry-Volume II

Satya Prakash, G D Tuli, S K Basu & R D Madan

About the Book

Advanced Inorganic Chemistry - Volume II is a concise book on basic concepts of inorganic chemistry. Beginning with Coordination Chemistry, it presents a systematic treatment of all Transition and Inner-Transition chemical elements and their compounds according to the periodic table. Special topics such as Pollution and its adverse effects, chromatography, use of metal ions in biological systems, to name a few, are discussed to provide additional relevant information to the students. It primarily caters to the undergraduate courses (Pass and Honours) offered in Indian universities.

Key Features

- Pedagogically strong on practical application of theory:
 - Nearly 200 typical problems and select Multiple Choice Questions with solutions
 - Over 300 questions from various university examinations
 - More than 400 objective type questions at the end of the book to test understanding of the concepts

- Nearly 300 figures and 50 tables to facilitate understanding of theory and concepts

- Three appendices at the book end comprising list of important ores, processes and compounds as ready reckoner for the users

ISBN: 9788121917872 | Code: 1004B00232 | Price: ₹ 499 | Pages: 672 | Size: 6.75" X 9.5" (Paperback)

Contents

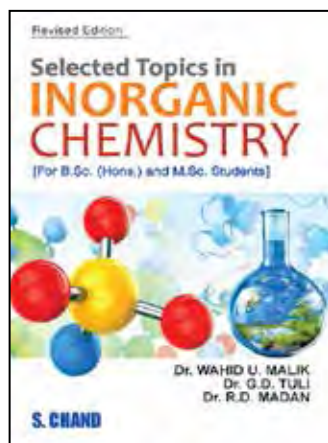
Part-I: Coordination Chemistry: 1. Basic Concepts of Coordination Chemistry, 2. Nomenclature of Coordination Compounds, 3. Werner's Theory of Coordination Compounds and Effective Atomic Number (EAN) Rule, 4. Isomerism in Coordination Compounds, 5. Nature of Metal-Ligand Bonding in Complex Compounds, Part-II: Transition Metals (*d*-Block Elements) and Their Compounds: 6. General Characteristic of Transition Metals: *d*-Block Elements, 7. Group-wise Study of the General Properties of Transition Elements (*d*-Block Elements), 8. Occurrence, Extraction, Properties and uses of Some Transition Metals, 9. Important Compounds of Transition Metals Part-III: Inner- Transition Elements and Their Compounds: 10. General Characteristics of Inner-Transition Elements: *f*-Block Elements (Lanthanides and Actinides), 11. Extraction, Properties and Uses of Some Inner-Transition Metals, 12. Important Compounds of Inner-Transition Elements, Part-IV: Miscellaneous Topics: 13. Transition Metals Complexes with Carbon Monoxide: Metallic Carbonyls 14. Complex Compounds Containing NO⁺ or/ and NO⁻ Ions as Ligands: Metallic Nitrosyl Complexes, 15. Pollution and Its Adverse Effects, 16. Organo-Metallic Compounds, 17. Chromatography, 18. Uses of Organic and Inorganic Reagents in Inorganic Analysis, 19. Role of Metal Ions in Biological Systems, 20. Non-Aqueous Solvents

Satya Prakash, Formerly Professor, Allahabad University, Allahabad.

G D Tuli, Formerly Principal, Shyam Lal College, University of Delhi, Delhi.

S K Basu, Formerly Professor, Banaras Hindu University, Varanasi.

R D Madan, Formerly Reader, Department of Chemistry, NREC College, Khurja.



Selected Topics in Inorganic Chemistry

Wahid U Malik, G D Tuli & R D Madan

About the Book

Selected Topics in Inorganic Chemistry is a comprehensive textbook discussing theoretical aspects of Inorganic Chemistry. Uniqueness of the book lies in treatment of all fundamental concepts, such as, Structure of Atom, Chemical Bonding, Inner Transition Elements and Coordination Chemistry, with a modern approach. Illustration of text with relevant line diagrams and tabular presentation of data makes understanding of concepts lucid and simple.

The book is designed for B.Sc. (Honours) and M.Sc. students.

Key Features

- 11 new chapters added in the revised edition
- Over 450 figures and nearly 100 tables to illustrate the topics in an easy-to-understand manner
- More than 450 university questions at chapter end to enhance understanding

ISBN: 9788121906005 | Code: 1004A00039 | Price: ₹ 799 | Pages: 1,168 | Size: 6.75" X 9.5" (Paperback)

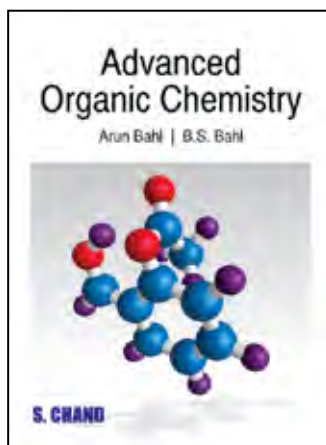
Contents

1. Oxidation and Reduction, 2. Non-aqueous Solvents, 3. Acids and Bases, 4. Hard and Soft Acids and Bases (HSAB), 5. General Characteristic of Transition Metals (*d* – Block Elements), 6. Chemistry of Elements of First Transition Series (*3d* Series Elements), 7. Chemistry of Elements of Second Transition Series (*4d* – Series Elements), 8. Chemistry of Elements of Third Transition Series (*5d* – Series Elements), 9. Chemistry of Lanthanides (*4f* – Block Elements), 10. Chemistry Actinides (*5f* – Block Elements), 11. Coordination Compounds: Definition and Terminology, 12. Preparation and Applications of Complexes, 13. Nomenclature of Coordination Compounds, 14. Werner's Theory of Coordination Compounds, 15. Isomerism in Coordination Compounds, 16. Valence Bond Theory (VBT) of Coordination Compounds, 17. Crystal Field Theory (CFT) of Octahedral Complexes, 18. Crystal Field Theory of Tetrahedral and Cubic Complexes, 19. Crystal Field Theory of Square Planar Complexes, 20. Splitting of Metal Ion *d*-orbitals in Other Crystal Fields, 21. John – Teller Effect and Distortion in Octahedral and Tetrahedral Complexes, 22. Applications of Crystal Field Stabilisation Energies (CFSEs), 23. Molecular Orbital Theory (MOT) of Octahedral Complexes, 24. Electronic Absorption Spectra of Transition Metal Complexes, 25. Magnetic Properties of Transition Metal Complexes, 26. Thermodynamic and Kinetic Aspects of Metal Complexes, 27. Ligand Substitution Reactions in Octahedral Complexes, 28. Ligand Substitution Reactions in Square Planar Complexes, 29. Electron Transfer (Oxidation – Reduction) Reactions in Coordination Compounds, 30. Transition Metal Complexes with Carbon Monoxide: Metallic Carbonyls, 31. Organometallic Compounds, 32. Bioinorganic Chemistry, 33. Silicones and Phosphazenes • *Subject Index*

Wahid U Malik, Formerly Head, Department of Chemistry, IIT Roorkee, Roorkee.

G D Tuli, Formerly Principal, Shyam Lal College, University of Delhi, Delhi.

R D Madan, Formerly Reader, Department of Chemistry, N. R. E. C. College, Khurja.



Advanced Organic Chemistry

Arun Bahl & B S Bahl

About the Book

This classic edition of *Advanced Organic Chemistry* is one of the most comprehensive textbook on the subject and has been a consistent best-seller for many years. It is loaded with molecular models, guidelines, chemical links, scientific accuracy, tips and tricks, extensive glossary and a comprehensive index. The book takes into account the advances in the field and provides an up to date coverage.

Key Features

- Step-by-step mechanisms and over 1800 solved problems to help students in effective understanding of the concepts
- More than 2100 chapter-end questions with answers to test and strengthen student's learning
- First book on the subject to be adopted by the National Book Trust of India (NBT)



ISBN: 9788121935159 | Code: 1004C00320 | Price: ₹ 1,299 | Pages: 1,528 | Size: 6.75" X 9.5" (Hardback)

Contents

1. Introduction, 2. Structure of Organic Molecules, 3. Organic Reaction Mechanisms, 4. Isomerism and Stereochemistry, 5. Spectroscopy, 6. Alkanes, 7. Cycloalkanes, 8. Petroleum, Petrochemicals and Alternative Fuels, 9. Alkenes and Dienes, 10. Alkynes, 11. Alkyl Halides, 12. Organometallic Compounds, 13. Alcohols, 14. Polyhydric Alcohols, 15. Ethers and Epoxides, 16. Thiols and Thioethers, 17. Aldehyde and Ketones, 18. Carboxylic Acids, 19. Diacids and Substituted Acids, 20. Carboxylic Acid Derivatives, 21. Active Methylene Compounds, 22. Lipids, 23. Amines, 24. Cyan Compounds, 25. Derivatives of Carbonic Acid, 26. Nitroalkanes, Diazoalkanes and Azides, 27. Amino Acids, Peptides and Proteins, 28. Carbohydrates, 29. Aromatic Compounds: Benzene and Aromaticity, 30. Directive Effects in Electrophilic Aromatic Substitution, 31. Aromatic Halogen Compounds, 32. Aromatic Sulfonic Acids, 33. Aromatic Nitro Compounds, 34. Aromatic Amines and Diazonium Salts, 35. Phenols and Aromatic Ethers, 36. Aromatic Aldehydes and Ketones, 37. Aromatic Carboxylic Acids and Their Derivatives, 38. Color, Dyes and Pigments, 39. Polynuclear Aromatic Hydrocarbons, 40. Heterocyclic Compounds, 41. Ureides and Purines, 42. Alkaloids, 43. Terpenes, 44. Synthetic Polymers • *Glossary* • *Index*

Arun Bahl, Professor of Organic Chemistry, Panjab University, Chandigarh.

B S Bahl, Formerly Head of Postgraduate Department of Chemistry, DAV College, Jalandhar.



Organic Reactions, Conversions, Mechanisms and Problems

R L Madan

ISBN: 9788121920384

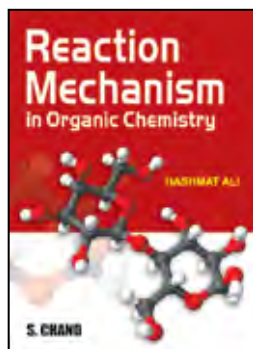
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Contents

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Reaction Mechanism in Organic Chemistry

Hashmat Ali

ISBN: 9789384857363

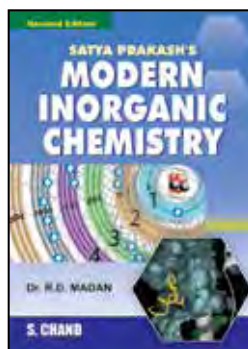
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Price: ₹ 495 | Pages: 430

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Contents

1. Meaning of Reaction Mechanism, 2. Nature of Covalent Bond, 3. Electronic Displacements, 4. Hybridisation and Shapes of Molecules, 5. Types of Reactions, 6. Bond-fission, Attacking Reagents and Reaction Intermediates, 7. Energy Exchange in Chemical Reactions, 8. Substitution Reactions in Aliphatic Compounds, 9. Directive Influence of Groups, 10. Substitution Reactions in Aromatic Compounds, 11. Addition Reactions, 12. Elimination Reactions, 13. Rearrangement Reactions, 14. Important Name Reactions, 15. Important Reagents • *Index*



Modern Inorganic Chemistry

R D Madan

ISBN: 9788121900744

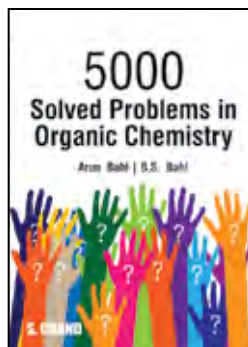
Code: 1004C00097

Price: ₹ 899 | Pages: 1,528

Size: 6.75" X 9.5" (Paperback)

Contents

1. Structure of the Atom (i) (Quantum Mechanical Approach: Dalton to Bohr-Sommerfeld), 2. Structure of the Atom (ii) (Wave Mechanical Approach), 3. Modern Periodic Table and Electronic Configuration of Atoms, 4. Periodic Properties, 5. Radioactivity, Isotopes, Isobars and Isotones, 6. Nuclear Transmutations and Artificial Radioactivity, 7. Chemical Bonding: Lewis Theory, 8. Chemical Bonding: Orbital Concept, 9. Structure of Solids, 10. Oxidation-Reduction Reactions, 11. Standard Electrode Potentials, 12. Modern Concepts of Acids and Bases, 13. Non-Aqueous Solvents, 14. Principles and Processes of Metallurgy, 15. Various Reactive forms and Isotopes of Hydrogen, 16. General Study of Hydrides, 17. Heavy Water (D₂O), 18. General Characteristics of Group 1 (IA) Elements: Alkali Metals, 19. Chemistry of Lithium and its Compounds, 20. General Characteristics of Group 2 (IIA) Elements: Alkaline Earth Metals, 21. Chemistry of Beryllium, Radium, their Compounds and Portland Cement, 22. General Characteristics of Group 13 (IIIA) Elements: Boron Group Elements, 23. Chemistry of Group 13 (IIIA) Elements, their Compounds and Ceramics Industry, 24. Hydrides of Boron: Boranes, 25. General Characteristics of Group 14 (IVA) Elements: Carbon Group Elements, 26. Compounds of Carbon, 27. Carbides, 28. Metallic Carbonyls, 29. Compounds of Silicon and Glass Industry, 30. General Characteristics of Group 15 (VA) Elements: Nitrogen Group Elements, 31. Fertilisers, 32. Hydrides, Oxides and Oxy Acids of Nitrogen, 33. Nitrides, 34. Oxides, Oxy acids, Halides and Oxyhalides of Phosphorus, 35. General Characteristics of Group 16 (VIA) Elements: Oxygen Group Elements, 36. Oxides, Oxy acids, Halides and Oxyhalides of Sulphur, 37. General Characteristics of Group 17 (VII A) Elements: Halogens, 38. Fluorine and Fluorocarbons, 39. Halogen Acids: Hydracids or Hydrogen Halides, 40. Binary Halogen - Oxygen Compounds and Oxyacids of Halogens, 41. Interhalogen Compounds, Polyhalides and Pseudohalogens, 42. Elements of Group 18 (Zero): Noble Gases, 43. Coordination Compounds, 44. Characteristics of d-Block Elements (Transition and Inner-Transition Elements), 45. Group Discussion of d-Block Elements, 46. Extraction, Properties and uses of Some d- and f-Block Elements, 47. Some Compounds of d- and f Block Elements • *Subject Index*



5000 Solved Problems in Organic Chemistry

Arun Bahl & B S Bahl

ISBN: 9789384319083

Code: 1004000353

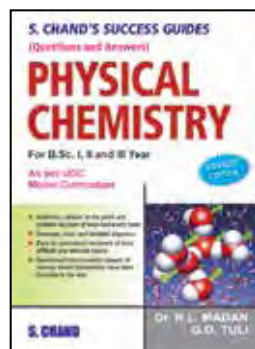
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Size: 6.75" X 9.5" (Paperback)

Contents

1. Structure of Organic Molecules, 2. Principles of Reactions, 3. Isomerism, 4. Alkanes, 5. Petroleum and Alternate Fuels, 6. Alkanes, 7. Dienes, 8. Alkynes, 9. Cycloalkanes,

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S. Chand's Success Guides Physical Chemistry (For B.Sc. I, II and III Year)

R L Madan & G D Tuli

ISBN: 9788121918817

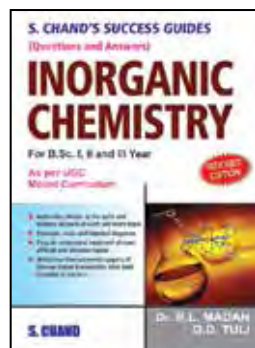
Code: 1004D00248

Price: ₹ 525 | Pages: 800

Size: 6.75" X 9.5" (Paperback)

Contents

1. Gaseous State, 2. Liquid State, 3. Solutions and Dilute Solutions, 4. Chemical Kinetics, 5. Surface Chemistry (Adsorption and Catalysis), 6. Thermodynamics-I (Including Thermochemistry), 7. Thermodynamics-II, 8. Thermodynamics-III, 9. Polymers or Macromolecules, 10. Electrochemistry, 11. Electrochemical Cells, 12. Photochemistry, 13. Quantum Mechanics, 14. Statistical Mechanics, 15. Distribution Law, 16. Phase Rule, 17. Solid State, 18. Physical Properties and Molecular Structure (Including Spectroscopy), 19. Chemical Equilibrium, 20. Colloidal State, 21. Molecular Symmetry and Group Theory, 22. Mathematical Concepts and Computers • Appendix-1: Laws of Logarithms • Appendix 2: Mathematical Relations • Some Useful Tables



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R L Madan & G D Tuli

ISBN: 9788121918572

Code: 1004E00247

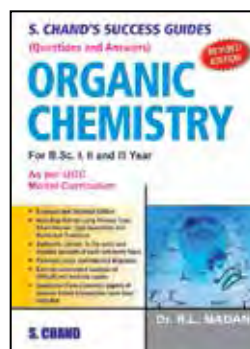
Price: ₹ 550 | Pages: 904

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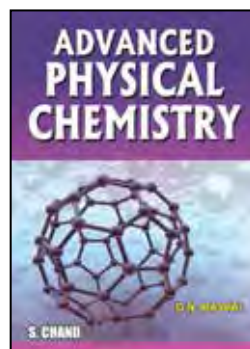
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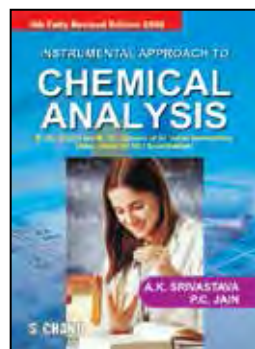
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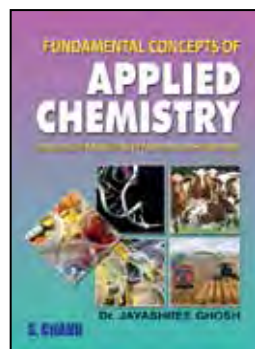
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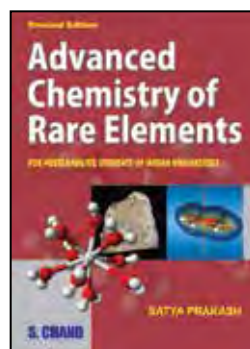
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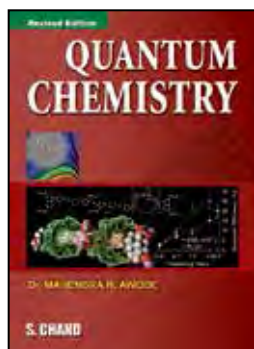
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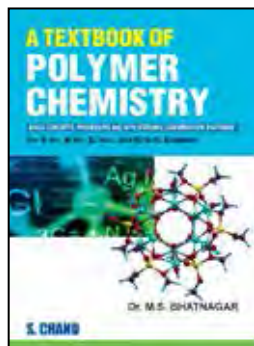
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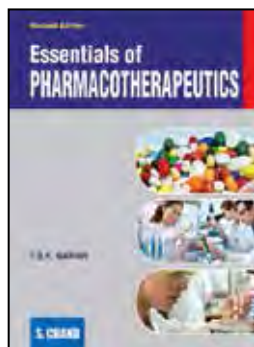
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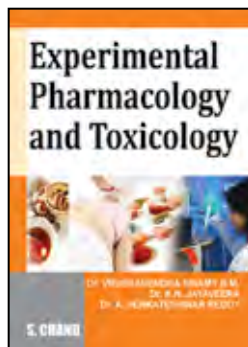
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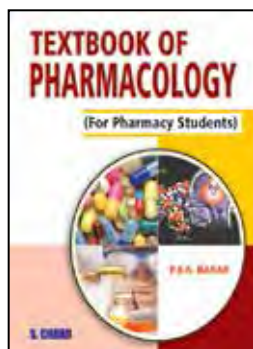
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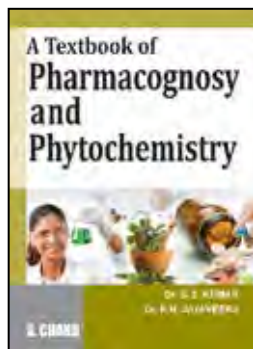
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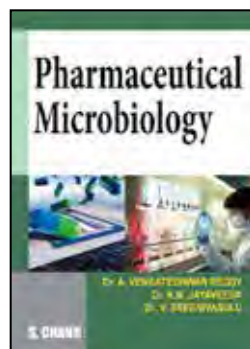
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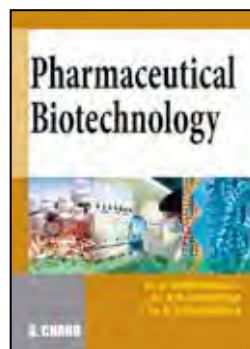
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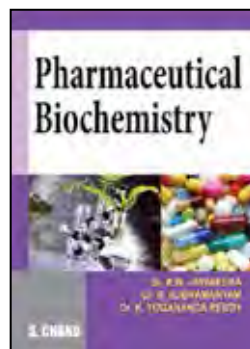
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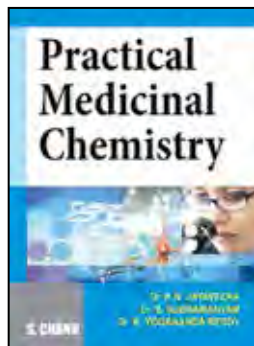
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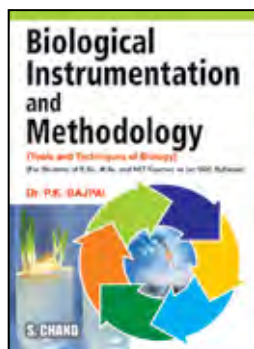
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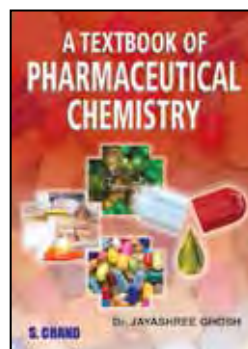
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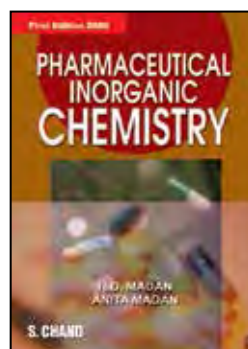
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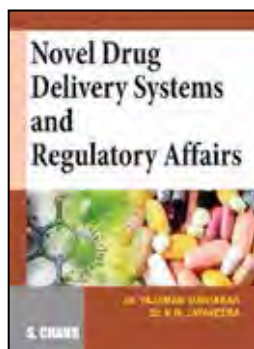
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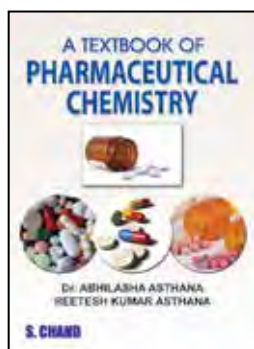
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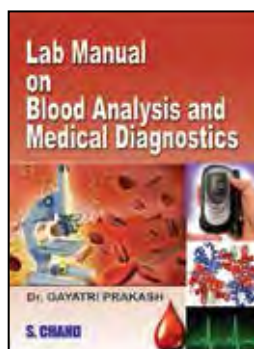
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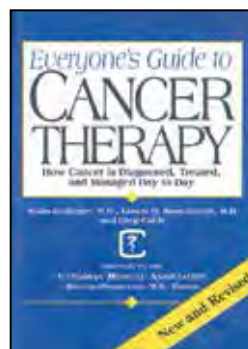
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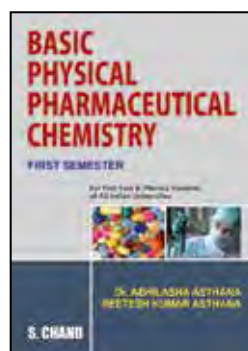
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