

AICTE

Recommended List of Suggested Books

for UNDERGRADUATE DEGREE
COURSES *in*

ENGINEERING & TECHNOLOGY



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[FEBRUARY 2018]

As per Model Curriculum 2018

Khanna Book Publishing has been a part of the publishing industry for over fifty years having been founded in 1962. The focus has been and continues to publish books on Engineering and Technology. Some of our books have come to be revered as iconic publications by the publishing industry, the faculty and the students across geographies. All our books have a central theme in structure – easy language, in-depth coverage, plenty of explanatory examples, solved and unsolved practical exercises and most affordable pricing. We take care to choose best of the authors to bring in excellence.



Many eminent academicians including Vice Chancellors, Deans and professors of various Universities and distinguished writers have appreciated the publications. Khanna Publishing has been honoured with many accolades and appreciations from different ministries and educational bodies.

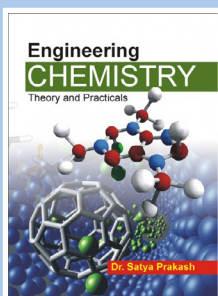
The excellence efforts shall continue for all times to come.

BRANCH-WISE CONTENTS

BASIC SCIENCE COURSES — FIRST YEAR	4		
1. Chemistry-I	4		
2. Mathematics-I	4		
ENGINEERING SCIENCE COURSES — FIRST YEAR	5		
3. Basic Electrical Engineering	5		
4. Engineering Graphics and Design	5		
5. Programming for Problem Solving	5		
HUMANITIES & SOCIAL SCIENCES — FIRST YEAR	6		
6. English	6		
CIVIL ENGINEERING — SEMESTER-III	6		
7. Basic Electronics	6		
8. Engineering Mechanics	6		
9. Energy Science & Engineering	7		
10. Mathematics-III	7		
CIVIL ENGINEERING — SEMESTER-IV	8		
11. Mechanical Engineering	8		
12. Instrumentation & Sensor Technologies for Civil Engineering	8		
13. Disaster Preparedness & Planning	8		
14. Introduction to Fluid Mechanics	9		
15. Introduction to Solid mechanics	9		
CIVIL ENGINEERING — SEMESTER-V	9		
16. Mechanics of Materials	9		
17. Hydraulic Engineering	10		
18. Environmental Engineering	10		
19. Structural Engineering	10		
20. Transportational Engineering	11		
		21. Professional Practice, Law & Ethics	11
		CIVIL ENGINEERING — SEMESTER-VI	12
		22. Engineering Economics, Estimation and Costing	12
		List of Some Other useful Books	12
		ELECTRICAL ENGINEERING — SEMESTER-III	13
		23. Analog Electronics	13
		24. Electric Circuit Analysis	13
		25. Electrical Machines-I	13
		26. Engineering Mechanics	14
		ELECTRICAL ENGINEERING — SEMESTER-IV	14
		27. Digital Electronics	14
		28. Mathematics-III	14
		29. Electrical Machines-II	15
		30. Signals and Systems	15
		ELECTRICAL ENGINEERING — SEMESTER-V	15
		31. Control Systems	15
		32. Microprocessors	15
		ELECTRICAL ENGINEERING — SEMESTER-VI	16
		33. Electrical Power Generation	16
		MECHANICAL ENGINEERING — SEMESTER-III	16
		34. Mathematics-III	16
		35. Engineering Mechanics	17
		36. Basic Electronics Engineering	17
		MECHANICAL ENGINEERING — SEMESTER-IV	17
		37. Strength of Materials	17
		38. Fluid Mechanics and Fluid Machines	17

39. Environmental Science	18	71. Digital System Design	30
MECHANICAL ENGINEERING — SEMESTER-V	18	72. Signals and Systems	31
40. Engineering and Solid Mechanics	18	73. Electronics Devices	31
MECHANICAL ENGINEERING — SEMESTER-VI	18	74. Network Theory	31
41. Design of Machine Elements	18	ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-IV	32
MECHANICAL ENGINEERING — SEMESTER-VII	19	75. Analog Circuit	32
42. Machine Drawing	19	ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-V	32
43. Total Quality Management	19	76. Electromagnetic Waves	32
44. Refrigeration and Air Conditioning	19	ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-VI	32
45. Engineering Management	20	77. Control Systems	32
46. Automobile Engineering	20	78. Antennas and Propagation	32
List of Some other Useful Books	21	79. Computer Networks	33
COMPUTER SCIENCE ENGINEERING — SEMESTER-III	21	List of Some other Useful Books	33
47. Analog Electronics Circuit	21	CHEMICAL ENGINEERING — SEMESTER-III	33
48. Data Structures & Algorithm	21	80. Engineering and Solid Mechanics	33
49. Digital Electronics	21	81. Chemistry-II	34
50. Mathematics-III	22	CHEMICAL ENGINEERING — SEMESTER-IV	34
51. Data Structures & Algorithms	22	82. Environmental Science	34
COMPUTER SCIENCE ENGINEERING — SEMESTER-IV	23	83. Heat Transfer	34
52. Discrete Mathematics	23	84. Fluid Mechanics	35
53. Design and Analysis of Algorithm	23	CHEMICAL ENGINEERING — SEMESTER-VI	35
54. Operating Systems	23	85. Process Technology and Economics	35
55. Environmental Science	24	86. Process Control	35
COMPUTER SCIENCE ENGINEERING — SEMESTER-V	24	CHEMICAL ENGINEERING — SEMESTER-VII	36
56. Signals and Systems	24	87. Water Conservation and management	36
57. Database Management System	24	88. Petroleum Refinery	36
58. Formal Language and Automata Theory	25	89. Renewable Energy	38
59. Object Oriented Programming (OOP)	25	90. Environmental Pollution and Control	38
COMPUTER SCIENCE ENGINEERING — SEMESTER-VI	26	METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-III	38
60. Computer Networks	26	91. Materials Thermodynamics	38
61. Software Engineering	26	92. Mathematics-III	39
62. Graph Theory	26	93. Environmental Science	39
63. Python Programming	27	94. Engineering Mechanics	40
64. Artificial Intelligence	27	METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-IV	40
65. Internet of Things	27	95. Economics for Engineers	40
66. Artificial Intelligence	28	METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-V	40
67. Cryptography and Network Security	28	96. Environmental Degradation of Materials	40
68. Data Analytics	28	METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-VII	41
69. Data Analytics	29	97. Introduction to Instrumentation	41
70. Numerical Methods	29	98. Energy Materials	41
List of Some Other useful Books	29		
ELECTRONICS & COMMUNICATION ENGINEERING — SEMESTER-III	30		

BASIC SCIENCE COURSES — FIRST YEAR



ENGINEERING CHEMISTRY

Satya Prakash

ISBN: 9789380016757

Pages: 296

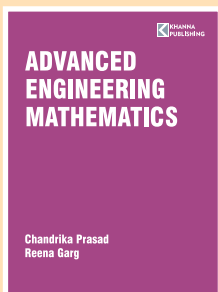
Year: 2010

Price: ₹225.00

Subject: Chemistry-I

CONTENTS:

Chapter 1: Water and Its Treatment; **Chapter 2:** Fuels; **Chapter 3:** Gaseous State; **Chapter 4:** Catalysis; **Chapter 5:** The Phase Rule; **Chapter 6:** Thermochemistry; **Chapter 7:** Engineering Chemistry Lab; Syllabus; Handling of Data; Question Papers



ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

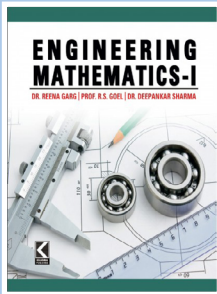
Year: 2018

Price: ₹699.00

Subject: Mathematics-I

CONTENTS:

Unit I: Algebra, Vectors and Geometry; **Chapter 1:** Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus;** **Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series;** **Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations;** **Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis;** **Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms;** **Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques;** **Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics;** **Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations



ENGINEERING MATHEMATICS-I

Reena Garg

ISBN: 9789382609551

Pages: 656

Year: 2015

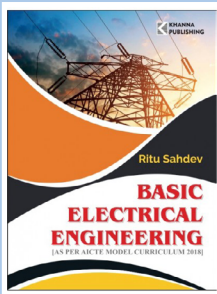
Price: ₹350.00

Subject: Mathematics-I

CONTENTS:

Chapter 1: Infinite Series; **Chapter 2:** Matrices; **Chapter 3:** Expansion of Functions; **Chapter 4:** Asymptotes; **Chapter 5:** Curvature; **Chapter 6:** Partial Differentiation; **Chapter 7:** Double and Triple Integrations

ENGINEERING SCIENCE COURSES — FIRST YEAR



BASIC ELECTRICAL ENGINEERING

Ritu Sahdev

ISBN: 9789386173492

Pages: 324

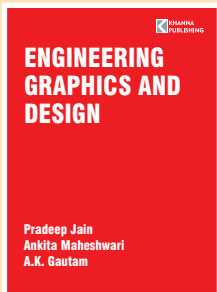
Year: 2018

Price: ₹299.00

Subject: Basic Electrical Engineering

CONTENTS:

Chapter 1: DC Circuits; **Chapter 2:** AC Circuits; **Chapter 3:** Transformers; **Chapter 4:** Electrical Machines; **Chapter 5:** Power Converters; **Chapter 6:** Electrical Installations



ENGINEERING GRAPHICS AND DESIGN

Pradeep Jain,
Ankita Maheshwari,
A.K. Gautam

ISBN: 9789386173478

Pages: 499

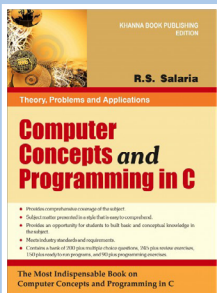
Year: 2018

Price: ₹299.00

Subject: Engineering Graphics and Design

CONTENTS:

Chapter 1: Introduction to Engineering Drawing; **Chapter 2:** Projections; **Chapter 3:** Projections of Regular Solids; **Chapter 4:** Sectional Views; **Chapter 5:** Isometric Projection; **Chapter 6:** Overview of Computer Graphics; **Chapter 7:** Drawing Using Auto-CAD; **Chapter 8:** Modifying Using Auto-CAD; **Chapter 9:** Customisation and Productive Tools; **Chapter 10:** Annotations, Layering & Other Functions; **Chapter 11:** 3D CAD Modelling; **Chapter 12:** Design Projects



COMPUTER CONCEPTS AND PROGRAMMING IN C

RS Salaria

ISBN: 9789381068540

Pages: 488

Year: 2017

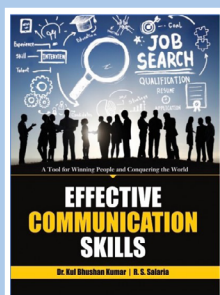
Price: ₹385.00

Subject: Programming for Problem Solving

CONTENTS:

Chapter 1: Introduction to Computers; **Chapter 2:** Number Systems and Binary Arithmetic; **Chapter 3:** Working Knowledge of Computers; **Chapter 4:** Program Solving and Program Planning; **Chapter 5:** Overview of C Language; **Chapter 6:** Fundamental Data Types; **Chapter 7:** Operators and Expressions; **Chapter 8:** Standard Input/Output; **Chapter 9:** Decision Making and Branching; **Chapter 10:** Decision Making and Looping; **Chapter 11:** User Defined Functions; **Chapter 12:** Arrays and Strings; **Chapter 13:** Structures and Unions; **Chapter 14:** Pointers & Dynamic Memory Management; **Chapter 15:** File Handling; **Chapter 16:** Preprocessor Directives; Appendix A; Index

HUMANITIES & SOCIAL SCIENCES — FIRST YEAR



EFFECTIVE COMMUNICATION SKILLS

Kul Bhushan Kumar,
RS Salaria

ISBN: 9789382609940

Pages: 404

Year: 2016

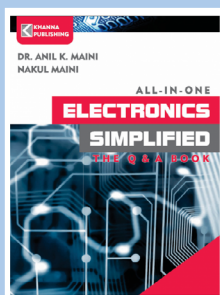
Price: ₹385.00

Subject: English

CONTENTS:

Chapter 1: Introduction to Communication Skills; **Chapter 2:** Types of Communication; **Chapter 3:** Listening Skills; **Chapter 4:** Speaking Skills; **Chapter 5:** Reading Skills; **Chapter 6:** Writing Skills; **Chapter 7:** Oral Presentation Skills; **Chapter 8:** Writing Business Letters; **Chapter 9:** Reports, Memos, Orders; **Chapter 10:** Resume; **Chapter 11:** Group Discussion; **Chapter 12:** Conducting Meeting; **Chapter 13:** Telephone Skills; **Chapter 14:** Grammar; **Chapter 15:** Interview Skills

CIVIL ENGINEERING — SEMESTER-III



ALL-IN-ONE ELECTRONICS SIMPLIFIED

AK Maini, Nakul Maini

ISBN: 9789386173393

Pages: 904

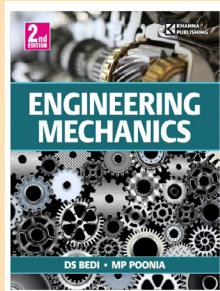
Year: 2018

Price: ₹699.00

Subject: Basic Electronics

CONTENTS:

Chapter 1: Resistors and Resistive Networks; **Chapter 2:** Capacitors and Capacitive Networks; **Chapter 3:** Inductors and Transformers; **Chapter 4:** Hardware Electronic Components; **Chapter 5:** Network Fundamentals; **Chapter 6:** Network Theorems; **Chapter 7:** Fourier Analysis of Waveform; **Chapter 8:** Two-Port Networks and State Equations; **Chapter 9:** Diodes and Transistors; **Chapter 10:** Field Effect transistors; **Chapter 11:** UJT'S and Thyristors; **Chapter 12:** Optoelectronic Devices; **Chapter 13:** Amplifiers; **Chapter 14:** Oscillators; **Chapter 15:** Linear Power Supplies; **Chapter 16:** Switched Mode Power Supplies; **Chapter 17:** Wave Shaping Circuits; **Chapter 18:** Operational Amplifiers; **Chapter 19:** Operational Amplifiers; **Chapter 20:** IC Timers; **Chapter 21:** Phase Locked Loops; **Chapter 22:** Digital Electronics Fundamental; **Chapter 23:** Logic Gates Logic Families and Combinational Logic Circuits; **Chapter 24:** Sequential Logic Circuits; **Chapter 25:** D/A and A/D Converters; **Chapter 26:** Microprocessors and Memory Devices; **Chapter 27:** Programmable Logic Devices; **Chapter 28:** Feedback and Control Systems; **Chapter 29:** Electrical Measurements and Instrumentation; **Chapter 30:** Sensors and Transducers



ENGINEERING MECHANICS

DS Bedi, MP Poonia

ISBN: 9789386173263

Pages: 596

Year: 2018

Edition: Second

Price: ₹425.00

Subject: Engineering Mechanics

CONTENTS:

Chapter 1: Two Dimensional Force System; **Chapter 2:** Friction; **Chapter 3:** Shearing Force and Bending Moment in Beams; **Chapter 4:** Truss; **Chapter 5:** Centroid, Centre of Gravity, Second Moment of Area and moment of Inertia; **Chapter 6:** Kinematics of Rigid Body; **Chapter 7:** Kinetics of Rigid Bodies; **Chapter 8:** Simple Stress and Strain; **Chapter 9:** Elastic Constants, Complex Stresses and Strain Energy; **Chapter 10:** Pure Bending of Beams; **Chapter 11:** Torsion; Index; Important Mathematical Formulae

ENERGY TECHNOLOGY

CHANDRIKA PUBLISHING

OP Gupta

ENERGY TECHNOLOGY

OP Gupta

ISBN: 9789386173683

Pages: 550

Year: 2018

Price: ₹399.00

Subject: Energy Science & Engineering

CONTENTS:

Chapter 1: Introduction to energy basics and energy scenario; **Chapter 2:** Fuel and Combustion Technology; **Chapter 3:** Alternate fuels for transportation; **Chapter 4:** Furnaces; **Chapter 5:** Boilers; **Chapter 6:** Waste heat recovery; **Chapter 7:** Steam-properties & efficient utilization; **Chapter 8:** Thermal Insulation; **Chapter 9:** Refractories; **Chapter 10:** Basics of electric energy uses; **Chapter 11:** Electric Transformers; **Chapter 12:** Electric motors; **Chapter 13:** Fans and blowers; **Chapter 14:** Pumps and pumping system; **Chapter 15:** Cooling towers; **Chapter 16:** Compressed air system; **Chapter 17:** Refrigeration system; **Chapter 18:** Diesel Generator(DG) set system; **Chapter 19:** Energy efficient lighting systems; **Chapter 20:** Energy efficient technologies in electrical system; **Chapter 21:** Cogeneration; **Chapter 22:** Solar Energy; **Chapter 23:** Wind Energy; **Chapter 24:** Ocean Energy; **Chapter 25:** Ocean thermal energy conversion (OTEC) systems; **Chapter 26:** Geothermal energy; **Chapter 27:** Biomass energy; **Chapter 28:** Magneto Hydro Dynamic (MHD) Generator; **Chapter 29:** Hydropower; **Chapter 30:** Energy conversion systems; **Chapter 31:** Energy store system; **Chapter 32:** Energy efficient buildings; **Chapter 33:** Waste to energy (WTE) generation; **Chapter 34:** Energy management; **Chapter 35:** Energy conservation; **Chapter 36:** Energy audit; **Chapter 37:** Global environmental concerns; **Chapter 38:** Energy and environmental impact analysis; **Chapter 39:** Short Questions and answers on Energy Technology; **Chapter 40:** MCQ (Multiple Choice Question) in energy technology

ADVANCED ENGINEERING MATHEMATICS

CHANDRIKA PUBLISHING

Chandrika Prasad
Reena Garg

ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

Year: 2018

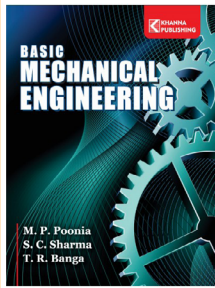
Price: ₹699.00

Subject: Mathematics-III

CONTENTS:

Unit I: Algebra, Vectors and Geometry; Chapter 1: Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus; Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series; Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations; Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis; Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms; Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques; Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics; Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations

CIVIL ENGINEERING — SEMESTER-IV



BASIC MECHANICAL ENGINEERING

MP Poonia, SC Sharma,
TR Banga

ISBN: 9789386173331

Pages: 792

Year: 2018

Price: ₹450.00

Subject: Mechanical
Engineering

CONTENTS:

Chapter 1: Mechanics - An Introduction; **Chapter 2:** Transmission of Power; **Chapter 3:** Fundamentals of Thermodynamics and Heat Transfer; **Chapter 4:** Properties of Gases; **Chapter 5:** Properties of Steam; **Chapter 6:** Fuel and Combustion of Fuels; **Chapter 7:** Thermal Power Plants 1-Steam Boilers (Generators); **Chapter 8:** Thermal Power Plants 2-Steam Engines, Turbines And Condenser; **Chapter 9:** Air Compressors; **Chapter 10:** Internal Combustion Engines (I.C Engines); **Chapter 11:** Fuel System in I.C Engines; **Chapter 12:** Automobile Engineering; **Chapter 13:** Gas Turbines; **Chapter 14:** Refrigeration and Air Conditioning; **Chapter 15:** Hydraulic Pumps; **Chapter 16:** Hydraulic Devices; **Chapter 17:** Hydro Electric Power Plants; **Chapter 18:** Hydraulic Turbines; **Chapter 19:** Sources of Energy; **Chapter 20:** Engineering Materials Stress and Strain; **Chapter 21:** Manufacturing Process-Mechanical Working of Metals; **Chapter 22:** Pattern-Making Foundry and Casting; **Chapter 23:** Welding Engineering; **Chapter 24:** Tools, Jigs and Fixtures; **Chapter 25:** Machine Tools; **Chapter 26:** Automation and Robotics;; Appendices; Index



ELECTRONICS MEASUREMENT & INSTRUMENTATION

JG Joshi

ISBN: 9789386173621

Pages: 362

Year: 2018

Price: ₹299.00

Subject: Instrumentation
& Sensor Technologies for
Civil Engineering

CONTENTS:

Chapter 1: Qualities of Measurements; **Chapter 2:** Measuring Instruments; **Chapter 3:** Transducers; **Chapter 4:** Measurement Systems(Part-I); **Chapter 5:** Measurement Systems(Part-II); **Chapter 6:** Signal Conditioning Devices; **Chapter 7:** Data Acquisitions systems(DAS); **Chapter 8:** Recorders and Display Devices; **Chapter 9:** Process Control; References; Article References(Papers); Index



DISASTER MANAGEMENT

SC Sharma

ISBN: 9789386173386

Pages: 186

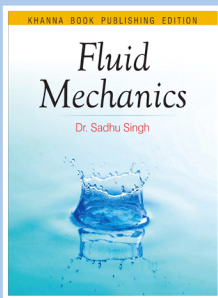
Year: 2018

Price: ₹175.00

Subject: Disaster
Preparedness & Planning

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Repercussions of Disaster and Hazards; **Chapter 3:** Disaster Prone Areas in India; **Chapter 4:** Disaster Preparedness and Management; **Chapter 5:** Risk Assesment; **Chapter 6:** Disaster Mitigation



FLUID MECHANICS

Sadhu Singh

ISBN: 9789381068656

Pages: 678

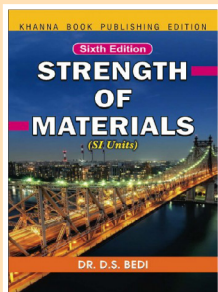
Year: 2016

Price: ₹350.00

Subject: Introduction to Fluid Mechanics

CONTENTS:

Chapter 1: Fluid Properties; **Chapter 2:** Fluid Statics; **Chapter 3:** Fluid Kinematics; **Chapter 4:** Fluid Dynamics; **Chapter 5:** Compressible Fluid Flow; **Chapter 6:** Viscous Flow; **Chapter 7:** Flow Through Pipes; **Chapter 8:** Boundary Layer flow; **Chapter 9:** Turbulent Flow; **Chapter 10:** Fluid Measurement; **Chapter 11:** Dimensional and Model Analysis; **Chapter 12:** Notches and Weirs; **Chapter 13:** Flow through Open Channels; **Chapter 14:** Potential Flow; Multiple Choice Questions; Index



STRENGTH OF MATERIALS

DS Bedi

ISBN: 9789382609117

Pages: 850

Edition: Sixth

Year: 2013

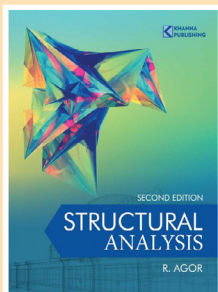
Price: ₹375.00

Subject: Introduction to Solid mechanics

CONTENTS:

Chapter 1: Simple Stress and Strain; **Chapter 2:** Complex Stresses and Strains; **Chapter 3:** Shearing Force and Bending Moments in Beams; **Chapter 4:** Bending Stresses; **Chapter 5:** Shear Stresses in Beams; **Chapter 6:** Deflection of Beams; **Chapter 7:** Torsion of Circular Shafts; **Chapter 8:** Struts and Columns; **Chapter 9:** Thin Shells; **Chapter 10:** Thick Cylinders; **Chapter 11:** Springs; **Chapter 12:** Strain Energy and Deflection due to Shear and Bending; **Chapter 13:** Theories of Failure; **Chapter 14:** Bending of Curved Bars; **Chapter 15:** Stresses Due to Rotation; **Chapter 16:** Unsymmetrical Bending; **Chapter 17:** Plastic Theory of Bending; **Chapter 18:** Three Dimensional Stress System; **Chapter 19:** Torsion of Non-Circular Shafts; **Chapter 20:** Miscellaneous Problems; **Chapter 21:** Plastic Theory of Bending; Index; Appendix

CIVIL ENGINEERING — SEMESTER-V



STRUCTURAL ANALYSIS

R Agor

ISBN: 9789382609834

Pages: 640

Edition: Second

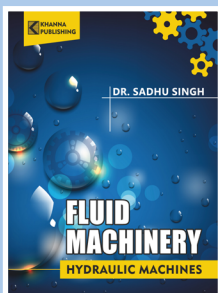
Year: 2016

Price: ₹350.00

Subject: Mechanics of Materials

CONTENTS:

Chapter 1: Stress & Strains; **Chapter 2:** Centroid & Moment Of Inertia; **Chapter 3:** Mass Moment Of Inertia Of Solid Bodies; **Chapter 4:** Shearing Force & Bending Moment; **Chapter 5:** Bending Stresses In Beams; **Chapter 6:** Slope & Deflection Of Beam; **Chapter 7:** Analysis Of Determinate Trusses; **Chapter 8:** Deflection Of Plane Frames; **Chapter 9:** Suspending Cables; **Chapter 10:** Three-Hinged Arches; **Chapter 11:** Shear Stress In Beam; **Chapter 12:** Masonry Dams & Retaining Walls; **Chapter 13:** Columns; **Chapter 14:** Torsion; **Chapter 15:** Riveted & Bolted Joints; **Chapter 16:** Welded Joints; **Chapter 17:** Principal Stresses (Mohr's Circle); **Chapter 18:** Fixed End Beams



FLUID MACHINERY (HYDRAULIC MACHINES)

Sadhu Singh

ISBN: 9789382609285

Pages: 478

Year: 2014

Price: ₹350.00

Subject: Hydraulic Engineering

CONTENTS:

Chapter 1: Basic Concepts of Fluid Machinery; **Chapter 2:** Whirling of Fluids; **Chapter 3:** Hydro Power Generation Fundamentals; **Chapter 4:** Unit and Specific Quantities; **Chapter 5:** Pelton Turbine; **Chapter 6:** Francis Turbine; **Chapter 7:** Kaplan Turbine; **Chapter 8:** Draft Tube and Cavitation; **Chapter 9:** Governing, Selection and Performance of Hydraulic Turbines; **Chapter 10:** Reciprocating Pumps; **Chapter 11:** Centrifugal Pump; **Chapter 12:** Fluid Devices and Systems; **Chapter 13:** Fluid Laboratory Practice; **Chapter 14:** Conventional Questions From IES; **Chapter 15:** Multi-Choice Questions From IES



FLUID MECHANICS AND HYDRAULIC MACHINES

SS Rattan

ISBN: 9788187522461

Pages: 752

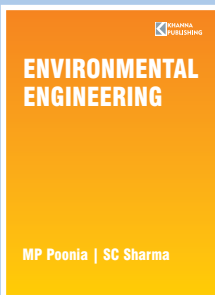
Year: 2017

Price: ₹350.00

Subject: Hydraulic Engineering

CONTENTS:

Chapter 1: Fluid Pressure; **Chapter 2:** Submerged Surfaces; **Chapter 3:** Buoyancy; **Chapter 4:** Fluid Kinematics; **Chapter 5:** Fluid Dynamics; **Chapter 6:** Orifices and Mouthpieces; **Chapter 7:** Notches and Weirs; **Chapter 8:** Dimensional Analysis; **Chapter 9:** Viscous flow; **Chapter 10:** Turbulent Flow; **Chapter 11:** Pipe Flow; **Chapter 12:** Flow in Open Channels; **Chapter 13:** Boundary Layer Theory; **Chapter 14:** Immersed Bodies; **Chapter 15:** Compressible Flow; **Chapter 16:** Impact of Jets; **Chapter 17:** Hydraulic Turbines; **Chapter 18:** Hydraulic Pumps; **Chapter 19:** Miscellaneous Fluid Machines



ENVIRONMENTAL ENGINEERING

MP Poonia, SC Sharma

ISBN: 9789386173577

Pages: 600

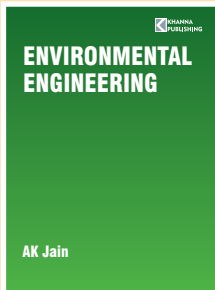
Year: 2018

Price: ₹499.00

Subject: Environmental Engineering

CONTENTS:

Chapter 1: Ecological Engineering; **Chapter 2:** Environmental Systems; **Chapter 3:** Transport of Water and Wastewater; **Chapter 4:** Environmental Laws and Policy; **Chapter 5:** Physico-Chemical processes for Water and Wastewater Treatment; **Chapter 6:** Biological processes for Contaminant Removal; **Chapter 7:** Rural Water Supply and Onsite Sanitation Systems; **Chapter 8:** Water and Air Quality Modelling; **Chapter 9:** Solid and Hazardous Waste management; **Chapter 10:** Air and Noise Pollution and Control; **Chapter 11:** Environmental Impact Assessment and Life Cycle Analysis; **Chapter 12:** Sustainable Engineering & Technology



ENVIRONMENTAL ENGINEERING

AK Jain

ISBN: 9789386173638

Pages: 500

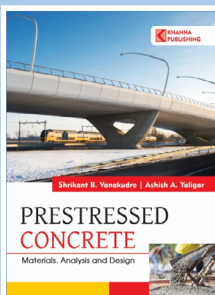
Year: 2018

Price: ₹399.00

Subject: Environmental Engineering

CONTENTS:

Chapter 1: An Introduction to Environmental Engineering; **Chapter 2:** Water; **Chapter 3:** Water Supply in Buildings; **Chapter 4:** Sanitation and Sewerage; **Chapter 5:** Drainage and Storm Water Management; **Chapter 6:** Solid Waste Management; **Chapter 7:** Energy Conservation and Efficiency; **Chapter 8:** Water Pollution and Health; **Chapter 9:** Waste Water Treatment; **Chapter 10:** Environmental Planning; Glossary, Terms and Definition; Bibliography



PRESTRESSED CONCRETE

Shrikant B. Vanakudre, Ashish A. Yaligar

ISBN: 9789386173317

Pages: 400

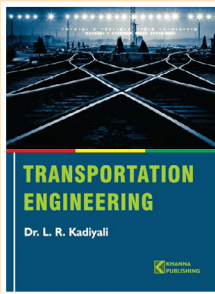
Year: 2018

Price: ₹295.00

Subject: Structural Engineering

CONTENTS:

Chapter 1: Introduction, Materials and Systems of Pre-stressing; **Chapter 2:** Analysis of Sections For Flexure; **Chapter 3:** Losses of Pre-stress; **Chapter 4:** Analysis and Design of Sections for Shear; **Chapter 5:** Deflection of Pre-stressed Concrete Member; **Chapter 6:** Ultimate Flexural Resistance; **Chapter 7:** Design of Pre-stress Concrete Sections For Flexure and Torsion; **Chapter 8:** End Blocks; **Chapter 9:** Analysis and Design of PSC Continuous Beams; **Chapter 10:** Analysis and Design of Composite Sections; **Chapter 11:** Design of PSC One Way, Two Way & Flat Slabs and Grid Floors; **Chapter 12:** Compression Members and Piles; **Chapter 13:** Tension Members, Pipes and Tanks; **Chapter 14:** Poles, Pavements & Sleepers; **Chapter 15:** Design of Pre-stressed Concrete Bridges



TRANSPORTATION ENGINEERING

LR Kadiyali

ISBN: 9789382609858

Pages: 408

Year: 2016

Price: ₹295.00

Subject: **Transportational Engineering**

CONTENTS:

SECTION-1: Transportation Systems and Planning; **Chapter 1:** Introduction; **Chapter 2:** Role of Transport in Society; **Chapter 3:** Modes of Transport and Criteria for Choice; **Chapter 4:** Transport Planning;

SECTION-2: Highway Engineering; **Chapter 5:** History of Growth of Highways; **Chapter 6:** Development of Roads in India After Independence; **Chapter 7:** Geometric Design; **Chapter 8:** Surveys, Investigations and Project Preparation; **Chapter 9:** Embankment Design and Construction; **Chapter 10:** Highway Drainage; **Chapter 11:** Cross Drainage Structures; **Chapter 12:** Types of Pavements and Factors Governing Pavement Design; **Chapter 13:** Design of Flexible Pavement; **Chapter 14:** Design of Rigid Pavements; **Chapter 15:** Pavement Materials; **Chapter 16:** Construction of Pavements; **Chapter 17:** Maintenance of Highways; **Chapter 18:** Use of Geosynthetics in Highway Engineering; **Chapter 19:** Urban Roads; **Chapter 20:** Hill Roads; **Chapter 21:** Road in Desert Areas; **Chapter 22:** Toll Roads; **Chapter 23:** Quality Assurance; **Chapter 24:** Highway Administration and Finance; **Chapter 25:** Traffic Engineering;

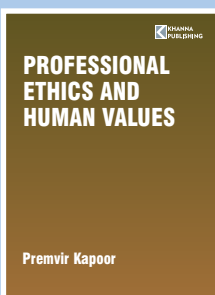
SECTION-3: Railway Engineering; **Chapter 26:** Introduction to Railway Engineering; **Chapter 27:** Railway Technology; **Chapter 28:** Role of Railways; **Chapter 29:** History of Growth of Railways in India; **Chapter 30:** Surveys and Project Preparation; **Chapter 31:** Geometric Design of Railway Track; **Chapter 32:** The Permanent Way; **Chapter 33:** Point and Crossings; **Chapter 34:** Signalling and Traffic Control; **Chapter 35:** Traction and traction Resistance; **Chapter 36:** Stations, Yards and Station Equipment; **Chapter 37:** Construction of a Railway Line; **Chapter 38:** Maintenance of a Railway Line; **Chapter 39:** Track Renewal; **Chapter 40:** Bridges and Tunnels; **Chapter 41:** Rail Accidents; **Chapter 42:** Modern Technological Advances;

SECTION-4: Airport Engineering; **Chapter 43:** Role of Air Transportation;

SECTION-5: Continuous Flow Systems; **Chapter 44:** Pipe Line Transportation; **Chapter 45:** Aerial Ropeway; **Chapter 46:** Belt Conveyors;

SECTION-6: Water Transport; **Chapter 47:** Water Transport An Overview; **Chapter 48:** Planning for Water Transportation Facilities; **Chapter 49:** Harbours; **Chapter 50:** Lock Entrance; **Chapter 51:** Docks; **Chapter 52:** Transit Sheds, Warehouses and Cargo Handling Facilities; **Chapter 53:** Inland Water Transport;

SECTION-7: Multi-Modal Transport; **Chapter 54:** Multi-Modal Transport



PROFESSIONAL ETHICS AND HUMAN VALUES

Premvir Kapoor

ISBN: 9789386173652

Pages: 499

Year: 2018

Price: ₹299.00

Subject: **Professional Practice, Law & Ethics**

CONTENTS:

Chapter 1: Human Values; **Chapter 2:** Values in Management; **Chapter 3:** Business Ethics; **Chapter 4:** Professional Ethics; **Chapter 5:** Environmental Degradation and Control; **Chapter 6:** Science of living; **Chapter 7:** Value Education; **Chapter 8:** Personality and Stress Management

CIVIL ENGINEERING — SEMESTER-VI

CONSTRUCTION ENGINEERING & MANAGEMENT

KHANNA
PUBLISHING

SC Sharma, SV Deodhar

CONSTRUCTION ENGINEERING & MANAGEMENT

SC Sharma, SV Deodhar

ISBN: 9789386173980

Pages: 278

Year: 2018

Price: ₹295.00

Subject: **Engineering
Economics, Estimation and
Costing**

CONTENTS:

Part-1; **Chapter 1:** Management; **Chapter 2:** Construction, Its Management and Organisation; **Chapter 3:** River Training Work for Construction Management; **Chapter 4:** Work Study; **Chapter 5:** Contracts and Tender; **Chapter 6:** Project Management Technique (Cpm/Pert); **Chapter 7:** Supervision Quality Control and Inventory; **Chapter 8:** Forms for Concrete Structure; **Chapter 9:** Prefabricated Structure; **Chapter 10:** Management of Demolition Work; Appendix Types of Structures; Question Bank; Chapter Index;
Part- 2; **Chapter 1:** Equipment Management in Construction Projects; **Chapter 2:** Earth-Moving Equipment; **Chapter 3:** Hauling Equipment; **Chapter 4:** Concreting Equipment; **Chapter 5:** Pumping and Dewatering Equipments; **Chapter 6:** Hoisting Equipment

LIST OF SOME OTHER USEFUL BOOKS

AIR POLLUTION AND CONTROL ENGINEERING

KHANNA
PUBLISHING

Rajni Kant - Keshav Kant

AIR POLLUTION AND CONTROL ENGINEERING

Rajni Kant,
Keshav Kant

ISBN: 9789386173300

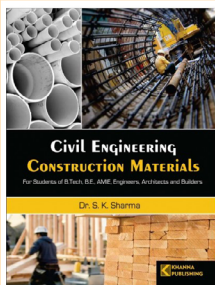
Pages: 450

Year: 2018

Price: ₹295.00

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Sources of Air Pollutants and their Ill-effects; **Chapter 3:** Effects of meteorological Conditions on Air Pollution; **Chapter 4:** Control of Emission of Suspended Particulate Matter in Coal Fired Thermal power Stations; **Chapter 5:** Control of Oxides of Nitrogen in Combustion of Fossil fuels in Power Generation and Industries; **Chapter 6:** Control of Emission of Oxides of sulphur by Absorption Systems Internal to Boilers; **Chapter 7:** Control of Emission of Oxides of sulphur (SO_x) for Flue Gases of Boilers; **Chapter 8:** Air Pollution from Industries and Their Control; **Chapter 9:** Control of Air Pollution in Petroleum Refineries; **Chapter 10:** Control of Mercury Emission from Thermal Power Stations and Industries; **Chapter 11:** Air Pollution by Nuclides / Radioactivity - Safety and Control; **Chapter 12:** Air Pollution by Municipal Solid Wastes; Biomedical Wastes and E-Wastes and Their Control; **Chapter 13:** Control of Air Pollution from Mobile Sources and Standards Applicable; **Chapter 14:** Damage due to Air Pollution to Electronic / Electrical Equipments and protective Measures; **Chapter 15:** Emission Limits Imposed by Indian regulations; **Chapter 16:** Measurements of Air Pollutants; **Chapter 17:** Control of Noise Pollution; **Chapter 18:** Control of Odours; **Chapter 19:** Environmental Impact Assessment for Projects; **Chapter 20:** Miscellaneous Topics



CIVIL ENGINEERING CONSTRUCTION MATERIALS

SK Sharma

ISBN: 9789382609841

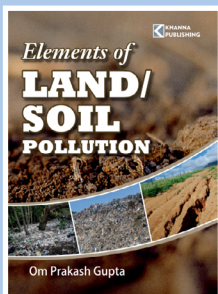
Pages: 416

Year: 2016

Price: ₹350.00

CONTENTS:

Chapter 1: Stones; **Chapter 2:** Bricks, Tiles and other Clay Products; **Chapter 3:** Lime; **Chapter 4:** Cement; **Chapter 5:** Aggregates (Fine and Coarse); **Chapter 6:** Mortars; **Chapter 7:** Concrete; **Chapter 8:** Timber and Allied Products; **Chapter 9:** Ferrous Metals and Alloys; **Chapter 10:** Non-Ferrous Metals and Alloys; **Chapter 11:** Plastics in Buildings; **Chapter 12:** Paints, Varnishes and Protection of Metal; **Chapter 13:** Glass; **Chapter 14:** Bituminous Materials; **Chapter 15:** Miscellaneous Materials



ELEMENTS OF LAND/ SOIL POLLUTION

OP Gupta

ISBN: 9789382609735

Pages: 208

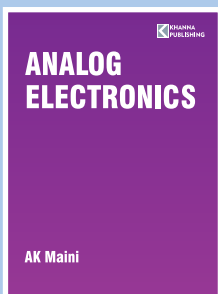
Year: 2018

Price: ₹199.00

CONTENTS:

Chapter 1: All about Soil—Its Formation, Types, Components & Properties; **Chapter 2:** Functions of various macronutrients & micronutrients in soil; **Chapter 3:** Introduction to Soil Pollution; **Chapter 4:** Causes, Types, & Sources of Soil Pollution; **Chapter 5:** Effects of Land/Soil Pollution; **Chapter 6:** Prevention & Control of Land/Soil Pollution; **Chapter 7:** Short Questions & Answers on Soil Pollution; **Chapter 8:** Multiple Choice Questions & Answers; **Chapter 9:** Glossary of Terms Related to Soil Pollution

ELECTRICAL ENGINEERING — SEMESTER-III



ANALOG ELECTRONICS

AK Maini

ISBN: 9789386173584

Pages: 400

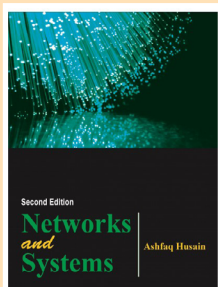
Year: 2018

Price: ₹299.00

Subject: Analog Electronics

CONTENTS:

Chapter 1: Semiconductor Diodes-Fundamentals, Types and Circuits; **Chapter 2:** Bipolar Junction Transistor; **Chapter 3:** Field- Effect Transistors; **Chapter 4:** Small Signal Analysis of Amplifiers; **Chapter 5:** Large Signal Amplifiers; **Chapter 6:** Feedback Amplifiers; **Chapter 7:** Oscillators- Sinusoidal and Non-Sinusoidal; **Chapter 8:** Building blocks of Operational Amplifiers; **Chapter 9:** Applications of Operational amplifiers; **Chapter 10:** Digital-to-Analog and Analog-to-Digital Converters; **Chapter 11:** Switched Capacitor Circuits; Illustrated Glossary; Review Questions; Problems; Objective Type Questions and Answers



NETWORKS AND SYSTEMS

Ashfaq Husain

ISBN: 9788187522089

Pages: 1160

Year: 2015

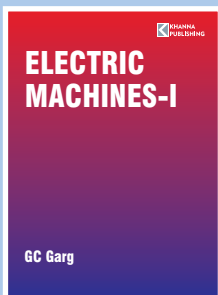
Edition: Second

Price: ₹450.00

Subject: Electric Circuit
Analysis

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Circuit Elements; **Chapter 3:** Signal Wave forms; **Chapter 4:** Kirchhoff's Laws and Equivalent Networks; **Chapter 5:** Sinusoids and Phasors; **Chapter 6:** Single-Phase Series AC Circuits; **Chapter 7:** Single-Phase Parallel and Series-Parallel AC Circuits; **Chapter 8:** Resonance; **Chapter 9:** Three-Phase Circuits; **Chapter 10:** Laplace transform Analysis; **Chapter 11:** Mesh and Nodal Analysis; **Chapter 12:** Network Theorems; **Chapter 13:** Network Graph Theory; **Chapter 14:** Circuit Transients; **Chapter 15:** State Variable Analysis; **Chapter 16:** Two-Port Networks; **Chapter 17:** Coupled Elements and Circuits; **Chapter 18:** Network Functions; **Chapter 19:** Fourier Series; **Chapter 20:** Fourier Transform; **Chapter 21:** Passive Network Synthesis



ELECTRIC MACHINES-I

GC Garg

ISBN: 9789386173447

Pages: 499

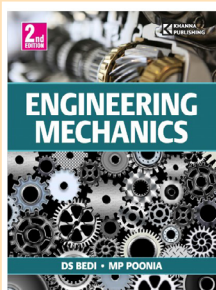
Year: 2018

Price: ₹299.00

Subject: Electrical
Machines-I

CONTENTS:

Chapter 1: Magnetic Fields and Magnetic Circuits; **Chapter 2:** Electromagnetic Force and Torque; **Chapter 3:** DC Machines; **Chapter 4:** DC machine-Motoring and Generation; **Chapter 5:** Transformers



ENGINEERING MECHANICS

DS Bedi, MP Poonia

ISBN: 9789386173263

Pages: 596

Year: 2018

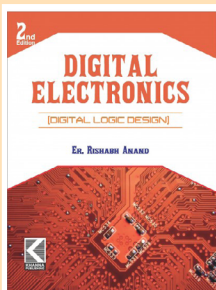
Price: ₹425.00

Subject: Engineering Mechanics

CONTENTS:

Chapter 1: Two Dimensional Force System; **Chapter 2:** Friction; **Chapter 3:** Shearing Force and Bending Moment in Beams; **Chapter 4:** Truss; **Chapter 5:** Centroid, Centre of Gravity, Second Moment of Area and moment of Inertia; **Chapter 6:** Kinematics of Rigid Body; **Chapter 7:** Kinetics of Rigid Bodies; **Chapter 8:** Simple Stress and Strain; **Chapter 9:** Elastic Constants, Complex Stresses and Strain Energy; **Chapter 10:** Pure Bending of Beams; **Chapter 11:** Torsion; Index; Important Mathematical Formulae

ELECTRICAL ENGINEERING — SEMESTER-IV



DIGITAL ELECTRONICS

Rishabh Anand

ISBN: 9789382609445

Pages: 732

Year: 2014

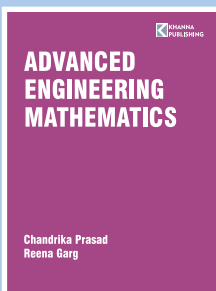
Edition: Second

Price: ₹350.00

Subject: Digital Electronics

CONTENTS:

Chapter 1: Number System And Codes; **Chapter 2:** Boolean Algebra And Minimization Techniques; **Chapter 3:** Logic Gates; **Chapter 4:** Logic Families; **Chapter 5:** Arithmetic Circuits; **Chapter 6:** Combinational Circuits; **Chapter 7:** Flip-Flops; **Chapter 8:** Counters; **Chapter 9:** Registers; **Chapter 10:** Memory And Programmable Logic Devices; **Chapter 11:** Synchronous Sequential Circuits; **Chapter 12:** Asynchronous Sequential Circuits; **Chapter 13:** D/A And A/D Converters; **Chapter 14:** Clock Generators; **Chapter 15:** Applications Of Digital Circuits; **Chapter 16:** Hdl For Digital Circuits; Appendix; Lab Work And Viva-Voice Questions



ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

Year: 2018

Price: ₹699.00

Subject: Mathematics-III

CONTENTS:

Unit I: Algebra, Vectors and Geometry; Chapter 1: Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus; Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series; Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations; Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis; Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms; Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques; Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics; Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations



ELECTRIC MACHINES-II

GC Garg

ISBN: 9789386173607

Pages: 499

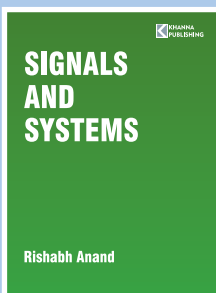
Year: 2018

Price: ₹299.00

Subject: Electrical Machines-II

CONTENTS:

Chapter 1: Fundamentals of AC machine windings; **Chapter 2:** Pulsating and revolving magnetic fields; **Chapter 3:** Induction Machines; **Chapter 4:** Single-Phase Induction motors; **Chapter 5:** Synchronous machines



SIGNALS AND SYSTEMS

Rishabh Anand

ISBN: 9789386173539

Pages: 399

Year: 2018

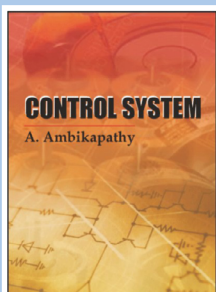
Price: ₹399.00

Subject: Signals and Systems

CONTENTS:

Chapter 1: Introduction to Signals and Systems; **Chapter 2:** Linear Time invariant Continuous-Time and Discrete-time Systems; **Chapter 3:** Fourier Series of Continuous-Time Signals or Continuous-Time Fourier Series (CTFS); **Chapter 4:** Discrete-Time Fourier Series (DTFS); **Chapter 5:** Continuous-Time Fourier Transform (CTFT); **Chapter 6:** The Discrete-Time Fourier Transform (DTFT); **Chapter 7:** The Discrete Fourier Transform (DFT); **Chapter 8:** Fast Fourier Transform (FFT) Algorithms; **Chapter 9:** The Laplace Transform; **Chapter 10:** z-Transform; **Chapter 11:** Characterization of Signals and Systems in Time and Frequency-Domain; **Chapter 12:** Sampling of Continuous-Time Signals; **Chapter 13:** Sampling of Discrete-time Signals

ELECTRICAL ENGINEERING — SEMESTER-V



CONTROL SYSTEM

A Ambikapathy

ISBN: 9789380016948

Pages: 788

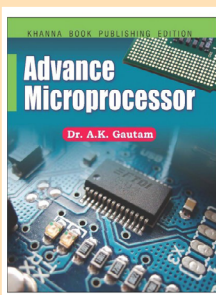
Year: 2010

Price: ₹350.00

Subject: Control Systems

CONTENTS:

Chapter 1: Basics of Control System; **Chapter 2:** Time Domain Analysis; **Chapter 3:** Concept of Stability; **Chapter 4:** Correlation; **Chapter 5:** Compensators Design



ADVANCE MICROPROCESSOR

AK Gautam

ISBN: 9789381068922

Pages: 424

Year: 2013

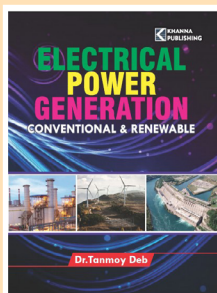
Price: ₹295.00

Subject: Microprocessors

CONTENTS:

Chapter 1: Introduction To Microprocessors; **Chapter 2:** The 8085 Microprocessor; **Chapter 3:** Architecture And Addressing Modes of The 16 bit 8086 Microprocessor; **Chapter 4:** The 8086/8088 Microprocessor CPU Module Design; **Chapter 5:** Assembly Language Programming; **Chapter 6:** Data Movement Instructions; **Chapter 7:** Arithmetic And Logic Instructions; **Chapter 8:** Program Control And Processor Control Instructions; **Chapter 9:** The 8087 Arithmetic Coprocessor; **Chapter 10:** Support Peripheral Devices; **Chapter 11:** 8086 Interrupt Structure Memory Interfacing And Modules; **Chapter 12:** The 8051 Micro Controller; **Chapter 13:** D/A and A/D Converters

ELECTRICAL ENGINEERING — SEMESTER-VI



ELECTRICAL POWER GENERATION

Tanmoy Deb

ISBN: 9789386173379

Pages: 584

Year: 2018

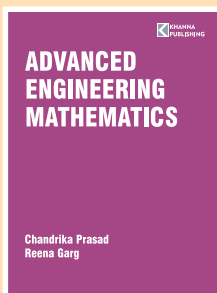
Price: ₹450.00

Subject: Electrical Power Generation

CONTENTS:

Chapter 1: Introduction to Power Generation; **Chapter 2:** Economic Operations Power Plants; **Chapter 3:** Thermal Power Generation; **Chapter 4:** Hydro Electric Power Generation; **Chapter 5:** Nuclear Power Generation; **Chapter 6:** Gas Turbine Based Power Generation; **Chapter 7:** Diesel Based Power Generation; **Chapter 8:** Solar Thermal and Photovoltaic Power Generation; **Chapter 9:** Wind Power Generation; **Chapter 10:** Bio-Mass Power Generation; **Chapter 11:** Geothermal Power Generation; **Chapter 12:** Ocean Thermal, Tidal and Wave Power Generation; **Chapter 13:** Thermal Power Generation; **Chapter 14:** Thermo-Electric, Thermionic and Small Hydro Power Generation; **Chapter 15:** Co-ordinated operation of Power Plants; **Chapter 16:** Electrical Energy Conservation; **Chapter 17:** Substation; Annexure-A; Annexure-B; Bibliography; Index

MECHANICAL ENGINEERING — SEMESTER-III



ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

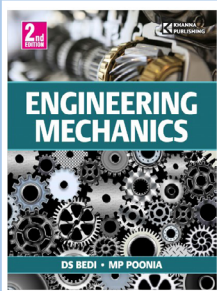
Year: 2018

Price: ₹699.00

Subject: Mathematics-III

CONTENTS:

Unit I: Algebra, Vectors and Geometry; Chapter 1: Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus; Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series; Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations; Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis; Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms; Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques; Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics; Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations



ENGINEERING MECHANICS

DS Bedi, MP Poonia

ISBN: 9789386173263

Pages: 596

Year: 2018

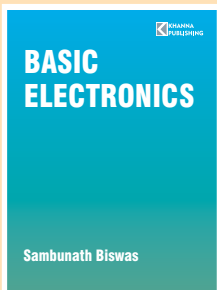
Edition: Second

Price: ₹425.00

Subject: Engineering Mechanics

CONTENTS:

Chapter 1: Two Dimensional Force System; **Chapter 2:** Friction; **Chapter 3:** Shearing Force and Bending Moment in Beams; **Chapter 4:** Truss; **Chapter 5:** Centroid, Centre of Gravity, Second Moment of Area and moment of Inertia; **Chapter 6:** Kinematics of Rigid Body; **Chapter 7:** Kinetics of Rigid Bodies; **Chapter 8:** Simple Stress and Strain; **Chapter 9:** Elastic Constants, Complex Stresses and Strain Energy; **Chapter 10:** Pure Bending of Beams; **Chapter 11:** Torsion; Index; Important Mathematical Formulae



BASIC ELECTRONICS

S Biswas

ISBN: 9788187522164

Pages: 492

Year: 2018

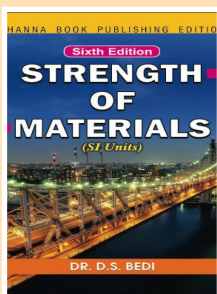
Price: ₹299.00

Subject: Basic Electronics Engineering

CONTENTS:

Chapter 1: Introduction to Electronics; **Chapter 2:** Fundamental Concepts: Energy Bands in Solid; **Chapter 3:** Semiconductor Diodes and Miscellaneous Devices; **Chapter 4:** Bipolar Junction Transistors; **Chapter 5:** Bipolar Transistor Biasing; **Chapter 6:** Single Stage BJT Amplifiers; **Chapter 7:** Field Effect Transistors; **Chapter 8:** Power Amplifiers; **Chapter 9:** Frequency Response of Amplifiers; **Chapter 10:** Feedback in Amplifiers; **Chapter 11:** Oscillators and Multivibrators; **Chapter 12:** Modulation and Demodulation; **Chapter 13:** Integrated Circuits; **Chapter 14:** Operational Amplifiers; **Chapter 15:** Television

MECHANICAL ENGINEERING — SEMESTER-IV



STRENGTH OF MATERIALS

DS Bedi

ISBN: 9789382609117

Pages: 850

Year: 2013

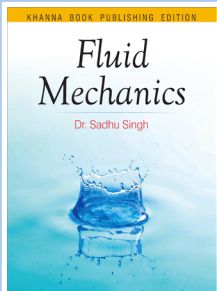
Edition: Sixth

Price: ₹375.00

Subject: Strength of Materials

CONTENTS:

Chapter 1: Simple Stress and Strain; **Chapter 2:** Complex Stresses and Strains; **Chapter 3:** Shearing Force and Bending Moments in Beams; **Chapter 4:** Bending Stresses; **Chapter 5:** Shear Stresses in Beams; **Chapter 6:** Deflection of Beams; **Chapter 7:** Torsion of Circular Shafts; **Chapter 8:** Struts and Columns; **Chapter 9:** Thin Shells; **Chapter 10:** Thick Cylinders; **Chapter 11:** Springs; **Chapter 12:** Strain Energy and Deflection due to Shear and Bending; **Chapter 13:** Theories of Failure; **Chapter 14:** Bending of Curved Bars; **Chapter 15:** Stresses Due to Rotation; **Chapter 16:** Unsymmetrical Bending; **Chapter 17:** Plastic Theory of Bending; **Chapter 18:** Three Dimensional Stress System; **Chapter 19:** Torsion of Non-Circular Shafts; **Chapter 20:** Miscellaneous Problems; **Chapter 21:** Plastic Theory of Bending; Index; Appendix



FLUID MECHANICS

Sadhu Singh

ISBN: 9789381068656

Pages: 678

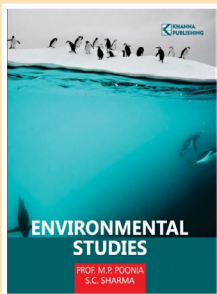
Year: 2016

Price: ₹350.00

Subject: Fluid Mechanics and Fluid Machines

CONTENTS:

Chapter 1: Fluid Properties; **Chapter 2:** Fluid Statics; **Chapter 3:** Fluid Kinematics; **Chapter 4:** Fluid Dynamics; **Chapter 5:** Compressible Fluid Flow; **Chapter 6:** Viscous Flow; **Chapter 7:** Flow Through Pipes; **Chapter 8:** Boundary Layer flow; **Chapter 9:** Turbulent Flow; **Chapter 10:** Fluid Measurement; **Chapter 11:** Dimensional and Model Analysis; **Chapter 12:** Notches and Weirs; **Chapter 13:** Flow through Open Channels; **Chapter 14:** Potential Flow; Multiple Choice Questions; Index



ENVIRONMENTAL STUDIES

MP Poonia, SC Sharma

ISBN: 9789386173096

Pages: 412

Year: 2018

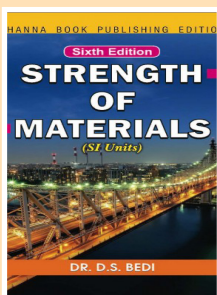
Price: ₹350.00

Subject: Environmental Science

CONTENTS:

Chapter 1: An Introduction (Multidisciplinary Nature of Environmental Studies); **Chapter 2:** The Earth and The Biosphere (Earth Sciences); **Chapter 3:** Ecology; **Chapter 4:** Ecosystems; **Chapter 5:** Biodiversity and Conservation; **Chapter 6:** Natural Resources; **Chapter 7:** Forest Resources; **Chapter 8:** Water Resources; **Chapter 9:** Mineral Resources; **Chapter 10:** Land (Soil) Resources; **Chapter 11:** Energy Resources; **Chapter 12:** Food Resources; **Chapter 13:** Environmental Pollution (Hazards) and Control; **Chapter 14:** Waste Management; **Chapter 15:** Disaster Management; **Chapter 16:** Social Issues; **Chapter 17:** Environmental Challenges; **Chapter 18:** Human Pollution and The Environment; **Chapter 19:** Resettlement and Rehabilitation (R & R); **Chapter 20:** Environmental Protection; **Chapter 21:** Environmental Legislation; **Chapter 22:** Environmental Impact Assessment (EIA); **Chapter 23:** Environmental Management and Environmental Management Plan (EMP)

MECHANICAL ENGINEERING — SEMESTER-V



STRENGTH OF MATERIALS

DS Bedi

ISBN: 9789382609117

Pages: 850

Year: 2013

Edition: Sixth

Price: ₹375.00

Subject: Engineering and Solid Mechanics

CONTENTS:

Chapter 1: Simple Stress and Strain; **Chapter 2:** Complex Stresses and Strains; **Chapter 3:** Shearing Force and Bending Moments in Beams; **Chapter 4:** Bending Stresses; **Chapter 5:** Shear Stresses in Beams; **Chapter 6:** Deflection of Beams; **Chapter 7:** Torsion of Circular Shafts; **Chapter 8:** Struts and Columns; **Chapter 9:** Thin Shells; **Chapter 10:** Thick Cylinders; **Chapter 11:** Springs; **Chapter 12:** Strain Energy and Deflection due to Shear and Bending; **Chapter 13:** Theories of Failure; **Chapter 14:** Bending of Curved Bars; **Chapter 15:** Stresses Due to Rotation; **Chapter 16:** Unsymmetrical Bending; **Chapter 17:** Plastic Theory of Bending; **Chapter 18:** Three Dimensional Stress System; **Chapter 19:** Torsion of Non-Circular Shafts; **Chapter 20:** Miscellaneous Problems; **Chapter 21:** Plastic Theory of Bending; Index; Appendix

MECHANICAL ENGINEERING — SEMESTER-VI



MACHINE DESIGN

Sadhu Singh

ISBN: 9789382609575

Pages: 826

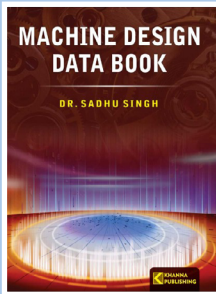
Year: 2015

Price: ₹385.00

Subject: Design of Machine Elements

CONTENTS:

Chapter 1: Engineering Design; **Chapter 2:** Selection of Engineering Materials; **Chapter 3:** Design for Static Load; **Chapter 4:** Design for Variable Load; **Chapter 5:** Riveted Joints; **Chapter 6:** Welded Joints; **Chapter 7:** Screwed Joints; **Chapter 8:** Power Screws; **Chapter 9:** Transmission Shafts; **Chapter 10:** Keys and Couplings; **Chapter 11:** Levers; **Chapter 12:** Cotter and Knuckle-Joints; **Chapter 13:** Pine Joints; **Chapter 14:** Mechanical Springs; **Chapter 15:** Flat & V-Belts; **Chapter 16:** Chains and Ropes; **Chapter 17:** Spur Gears; **Chapter 18:** Helical Gears; **Chapter 19:** Bevel Gears; **Chapter 20:** Worm Gears; **Chapter 21:** Siding Bearings; **Chapter 22:** Rolling Contact Bearings; **Chapter 23:** Flywheel; **Chapter 24:** Clutches and Brakes; **Chapter 25:** Internal Combustion Engine Parts; **Chapter 26:** Lubrication in Transmission System; Multi-Choice Questions



MACHINE DESIGN DATA BOOK

Sadhu Singh

ISBN: 9789382609513

Pages: 320

Year: 2016

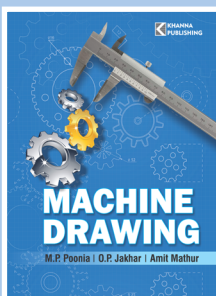
Price: ₹325.00

Subject: Design of Machine Elements

CONTENTS:

Chapter 1: Basic Design Data; **Chapter 2:** Engineering Materials; **Chapter 3:** Design for Static Loading; **Chapter 4:** Design for Variable Loading; **Chapter 5:** Riveted Joints; **Chapter 6:** Welded Joints; **Chapter 7:** Screwed Shafts; **Chapter 8:** Power Screws; **Chapter 9:** Transmission Shafts; **Chapter 10:** Keys and Couplings; **Chapter 11:** Cotter Joints; **Chapter 12:** Knuckle Joint; **Chapter 13:** Pipe Joints; **Chapter 14:** Mechanical Springs; **Chapter 15:** Flat and V-Belts; **Chapter 16:** Chains and Ropes; **Chapter 17:** Spur Gears; **Chapter 18:** Helical Gears; **Chapter 19:** Bevel Gears; **Chapter 20:** Worm Gears; **Chapter 21:** Sliding Bearings; **Chapter 22:** Rolling Contact Bearings; **Chapter 23:** Flywheel; **Chapter 24:** Clutches and Brakes; **Chapter 25:** Internal Combustion Engine Parts

MECHANICAL ENGINEERING — SEMESTER-VII



MACHINE DRAWING

MP Poonia, Amit Mathur,
OP Jhakar

ISBN: 9789386173287

Pages: 180

Year: 2018

Price: ₹175.00

Subject: Machine Drawing

CONTENTS:

Chapter 1: Basic of Machine Drawing; **Chapter 2:** Sectional Views; **Chapter 3:** Rivets and Riveted Joints; **Chapter 4:** Screw Threads and Fasteners; **Chapter 5:** Bearings & Shaft Coupling; **Chapter 6:** Assembly Drawing; **Chapter 7:** Power Transmission Drives; **Chapter 8:** Basics Drawing Softwares



TOTAL QUALITY MANAGEMENT

M.P. Poonia,
S.C. Sharma

ISBN: 9789386173140

Pages: 420

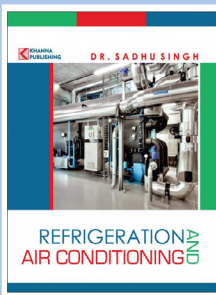
Year: 2018

Price: ₹375.00

Subject: Total Quality Management

CONTENTS:

Chapter 1: Quality Concept; **Chapter 2:** Total Quality Management Concept (TQM Concept); **Chapter 3:** Quality Planning; **Chapter 4:** Organizing (Leadership) For Quality; **Chapter 5:** Continuous Process Improvement; **Chapter 6:** Customer Satisfaction; **Chapter 7:** Supplier Partnership; **Chapter 8:** Performance Measures; **Chapter 9:** Quality Gurus (Pioneers) of Total Quality Philosophy; PART-2: TOOLS AND TECHNIQUES; **Chapter 10:** TQM Tools and Techniques -1; **Chapter 11:** TQM Tools and Techniques -2; **Chapter 12:** Fundamentals of Statistics; **Chapter 13:** Acceptance Sampling and O.C Curves; **Chapter 14:** Statistical Process Control and Control Charts; **Chapter 15:** Process Capabilities; **Chapter 16:** Reliability; **Chapter 17:** Quality Management System; Index



REFRIGERATION AND AIR CONDITIONING

Sadhu Singh

ISBN: 9789386173089

Pages: 820

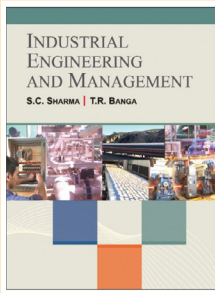
Year: 2018

Price: ₹450.00

Subject: Refrigeration and Air Conditioning

CONTENTS:

Chapter 1: Basic Concepts of Thermodynamics; **Chapter 2:** Fundamentals of Refrigeration; **Chapter 3:** Air Refrigeration Cycles; **Chapter 4:** Aircraft Refrigeration Systems; **Chapter 5:** Simple Vapour Compression Systems; **Chapter 6:** Multi-Stage Vapour Compression Systems; **Chapter 7:** Vapour Absorption Refrigeration Systems; **Chapter 8:** Refrigerants; **Chapter 9:** Refrigeration Equipment; **Chapter 10:** Cryogenics; **Chapter 11:** Steam Jet Refrigeration; **Chapter 12:** Psychrometry; **Chapter 13:** Comfort Air-Conditioning; **Chapter 14:** Cooling and Heating Load Estimation; **Chapter 15:** Ducts Design; **Chapter 16:** Fans; **Chapter 17:** Applications of Refrigeration and Air-Conditioning



INDUSTRIAL ENGINEERING & MANAGEMENT

SC Sharma, TR Banga

ISBN: 9789386173072

Pages: 828

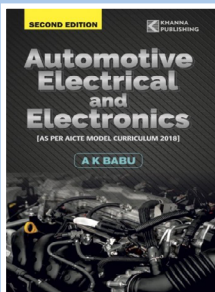
Year: 2017

Price: ₹450.00

Subject: **Engineering
Management**

CONTENTS:

Chapter 1: Introduction to Industrial Engineering and Industrial Management; **Chapter 2:** Management Concepts; **Chapter 3:** Functions of Management; **Chapter 4:** Organisation; **Chapter 5:** Personnel (Human Resource Management); **Chapter 6:** Motivation, Morale and Behavioural Science; **Chapter 7:** Job Evaluation, Wages and Incentive; **Chapter 8:** Industrial Relations and Trade Union; **Chapter 9:** Industrial Legislation (Labour Laws); **Chapter 10:** Work Study-1 (Method Study); **Chapter 11:** Work Study-2 (Time Study or Work Measurement); **Chapter 12:** Ergonomics (Human Engineering); **Chapter 13:** Production and Productivity; **Chapter 14:** Product Design and Development; **Chapter 15:** Production Planning and Control; **Chapter 16:** Market Research and Sales Forecasting; **Chapter 17:** Value Engineering (Value Analysis); **Chapter 18:** Plant Location and Layout; **Chapter 19:** Decision-Making; **Chapter 20:** Network Analysis (Techniques); **Chapter 21:** Inspection and Acceptance Sampling; **Chapter 22:** Quality Control and Quality Assurance; **Chapter 23:** Total Quality Management; **Chapter 24:** Purchasing and Stock-Keeping; **Chapter 25:** Material Management (M.M.); **Chapter 26:** Inventory Management; **Chapter 27:** Financial Management; **Chapter 28:** Indirect Expense and Depreciation; **Chapter 29:** Elements of Economics (Economic Concepts); **Chapter 30:** Engineering and Managerial Economics; **Chapter 31:** Break-Even Analysis; **Chapter 32:** Equipment Replacement Analysis; **Chapter 33:** Elements of Costs, Costing and Cost Control; **Chapter 34:** Environmental Pollution and Control; INDEX



AUTOMOTIVE ELECTRICAL AND ELECTRONICS

AK Babu

ISBN: 9789382609698

Pages: 308

Edition: Second

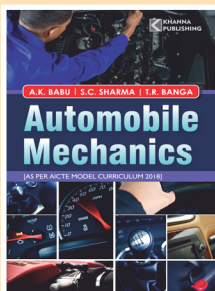
Year: 2018

Price: ₹295.00

Subject: **Automobile
Engineering**

CONTENTS:

Chapter 1: Fundamentals of Electricity; **Chapter 2:** Vehicle Electrical System; **Chapter 3:** Battery; **Chapter 4:** Charging System; **Chapter 5:** Starting System; **Chapter 6:** Ignition System; **Chapter 7:** Electronic Ignition System; **Chapter 8:** Automotive Wiring; **Chapter 9:** Lighting System; **Chapter 10:** Accessories; **Chapter 11:** Electronic Engine Management; **Chapter 12:** Safety and Warning Systems; **Chapter 13:** Microcomputer Controlled Devices; **Chapter 14:** Index



AUTOMOBILE MECHANICS

AK Babu, SC Sharma,
TR Banga

ISBN: 9789386173010

Pages: 499

Year: 2018

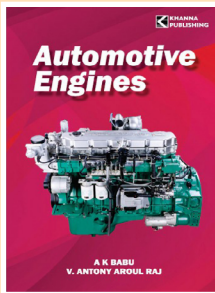
Price: ₹299.00

Subject: **Automobile
Engineering**

CONTENTS:

Chapter 1: Automobile; **Chapter 2:** Engine; **Chapter 3:** Frame; **Chapter 4:** Clutch; **Chapter 5:** Gearbox; **Chapter 6:** Propellershaft Assembly; **Chapter 7:** Final Drive and Differential Assembly; **Chapter 8:** Axle; **Chapter 9:** Steering; **Chapter 10:** Suspension System; **Chapter 11:** Brake System; **Chapter 12:** Wheel and Tyre; **Chapter 13:** Vehicle Electrical System; **Chapter 14:** Instruments and Accessories

LIST OF SOME OTHER USEFUL BOOKS



AUTOMOTIVE ENGINES

AK Babu

ISBN: 9789386173157

Pages: 296

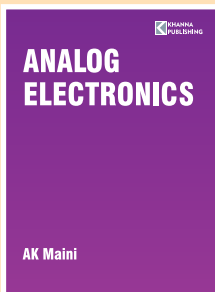
Year: 2017

Price: ₹295.00

CONTENTS:

Chapter 1: Engines; **Chapter 2:** Fuel Systems; **Chapter 3:** Combustion in Engines; **Chapter 4:** Turbocharging and Supercharging; **Chapter 5:** Engine Details; **Chapter 6:** Cooling and Lubrication; **Chapter 7:** Emission and Control

COMPUTER SCIENCE ENGINEERING — SEMESTER-III



ANALOG ELECTRONICS

AK Maini

ISBN: 9789386173584

Pages: 400

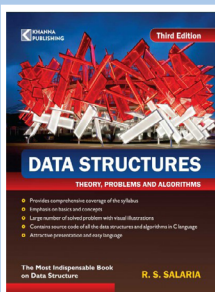
Year: 2018

Price: ₹299.00

Subject: Analog Electronics Circuit

CONTENTS:

Chapter 1: Semiconductor Diodes-Fundamentals, Types and Circuits; **Chapter 2:** Bipolar Junction Transistor; **Chapter 3:** Field- Effect Transistors; **Chapter 4:** Small Signal Analysis of Amplifiers; **Chapter 5:** Large Signal Amplifiers; **Chapter 6:** Feedback Amplifiers; **Chapter 7:** Oscillators- Sinusoidal and Non-Sinusoidal; **Chapter 8:** Building blocks of Operational Amplifiers; **Chapter 9:** Applications of Operational amplifiers; **Chapter 10:** Digital-to-Analog and Analog-to-Digital Converters; **Chapter 11:** Switched Capacitor Circuits; Illustrated Glossary; Review Questions; Problems; Objective Type Questions and Answers



DATA STRUCTURES

RS Salaria

ISBN: 9789386173966

Pages: 498

Year: 2017

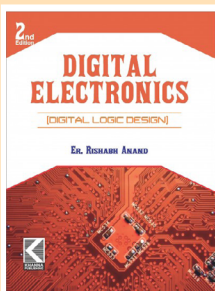
Edition: Third

Price: ₹365.00

Subject: Data Structures & Algorithm

CONTENTS:

Chapter 1: Introduction to Data Structures; **Chapter 2:** Introduction to Algorithms; **Chapter 3:** Arrays; **Chapter 4:** Linked Lists; **Chapter 5:** Stacks; **Chapter 6:** Queues; **Chapter 7:** Trees; **Chapter 8:** Heaps; **Chapter 9:** Graphs; **Chapter 10:** Hashing and Hash Tables; **Chapter 11:** Sorting Algorithms



DIGITAL ELECTRONICS

Rishabh Anand

ISBN: 9789382609445

Pages: 732

Year: 2014

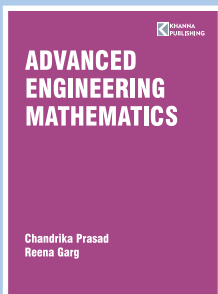
Edition: Second

Price: ₹350.00

Subject: Digital Electronics

CONTENTS:

Chapter 1: Number System And Codes; **Chapter 2:** Boolean Algebra And Minimization Techniques; **Chapter 3:** Logic Gates; **Chapter 4:** Logic Families; **Chapter 5:** Arithmetic Circuits; **Chapter 6:** Combinational Circuits; **Chapter 7:** Flip-Flops; **Chapter 8:** Counters; **Chapter 9:** Registers; **Chapter 10:** Memory And Programmable Logic Devices; **Chapter 11:** Synchronous Sequential Circuits; **Chapter 12:** Asynchronous Sequential Circuits; **Chapter 13:** D/A And A/D Converters; **Chapter 14:** Clock Generators; **Chapter 15:** Applications Of Digital Circuits; **Chapter 16:** HDL For Digital Circuits; Appendix; Lab Work And Viva-Voice Questions



ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

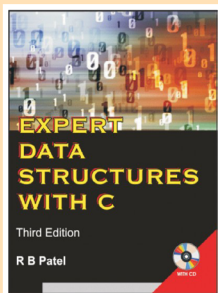
Year: 2018

Price: ₹699.00

Subject: Mathematics-III

CONTENTS:

Unit I: Algebra, Vectors and Geometry; **Chapter 1:** Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus;** **Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series;** **Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations;** **Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis;** **Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms;** **Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques;** **Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics;** **Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations



EXPERT DATA STRUCTURES WITH C (W/CD)

R.B. Patel

ISBN: 9788190645157

Pages: 734

Year: 2014

Edition: Second

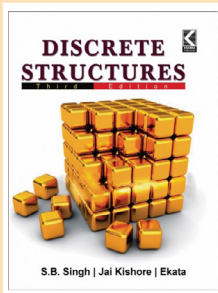
Price: ₹385.00

Subject: Data Structures &
Algorithms

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Recursion; **Chapter 3:** String Manipulation & Pattern Matching; **Chapter 4:** Arrays; **Chapter 5:** Linked List; **Chapter 6:** Stacks & Queues; **Chapter 7:** Trees; **Chapter 8:** Graphs; **Chapter 9:** Sorting & Searching; **Chapter 10:** File Structures; **Chapter 11:** Variants of B-Tree

COMPUTER SCIENCE ENGINEERING — SEMESTER-IV



DISCRETE STRUCTURES

SB Singh, Jai Kishore,
Ekata Gupta

ISBN: 9789382609407

Pages: 680

Edition: Third

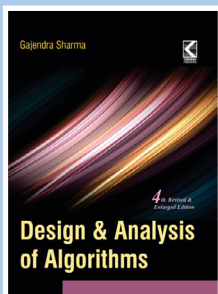
Year: 2017

Price: ₹385.00

Subject: Discrete Mathematics

CONTENTS:

Chapter 1: Combinatorics; **Chapter 2:** Set Theory; **Chapter 3:** Relations; **Chapter 4:** Functions; **Chapter 5:** Groups; **Chapter 6:** Rings & Fields; **Chapter 7:** Logic; **Chapter 8:** Lattices; **Chapter 9:** Boolean Algebra; **Chapter 10:** Graph Theory; **Chapter 11:** Automata



DESIGN & ANALYSIS OF ALGORITHMS

Gajendra Sharma

ISBN: 9789382609438

Pages: 672

Edition: Fourth

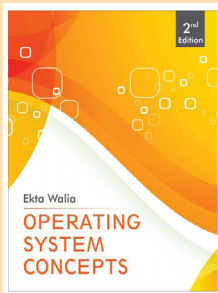
Year: 2015

Price: ₹385.00

Subject: Design and Analysis of Algorithm

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Growth of Functions; **Chapter 3:** Summations; **Chapter 4:** Recurrences; **Chapter 5:** Sets Relations and Functions; **Chapter 6:** Probability; **Chapter 7:** Heaps and Heapsort; **Chapter 8:** Quicksort; **Chapter 9:** Sorting in Linear Time; **Chapter 10:** Medians and Order Statistics; **Chapter 11:** Elementary Data Structures; **Chapter 12:** Hashing; **Chapter 13:** BS Trees; **Chapter 14:** Optimal Binary Search Trees; **Chapter 15:** AVL Trees And Splaying; **Chapter 16:** RB-Trees; **Chapter 17:** Augmenting Data Structure; **Chapter 18:** Dynamic Programming; **Chapter 19:** Greedy Algorithms; **Chapter 20:** Amortized Analysis; **Chapter 21:** B-Trees-External Searching; **Chapter 22:** Binomial Trees and Binomial Heaps; **Chapter 23:** Fibonacci Heaps; **Chapter 24:** Data Structure for Disjoint Sets; **Chapter 25:** Elementary Graph Algorithms; **Chapter 26:** Back Tracking; **Chapter 27:** Branch and Bound; **Chapter 28:** Minimum Spanning Tree; **Chapter 29:** Single-Source Shortest Paths; **Chapter 30:** All Pair Shortest Paths; **Chapter 31:** Network Flow; **Chapter 32:** Sorting Networks; **Chapter 33:** Arithmetic Circuits; **Chapter 34:** Algorithms for Parallel Computers; **Chapter 35:** Matrix Operation; **Chapter 36:** Polynomials and FFT; **Chapter 37:** Number-Theoretic Algorithms; **Chapter 38:** String Matching; **Chapter 39:** Computational Geometry; **Chapter 40:** NP-Completeness; **Chapter 41:** Non-Deterministic Algorithms; **Chapter 42:** Approximation Algorithms; **Chapter 43:** Program; Exam Papers; Bibliography



OPERATING SYSTEM CONCEPTS

Ekta Walia

ISBN: 9789380016658

Pages: 368

Edition: Second

Year: 2017

Price: ₹350.00

Subject: Operating Systems

CONTENTS:

Chapter 1: Operating System: An Introduction; **Chapter 2:** Computer System Structures; **Chapter 3:** Operating System Structures; **Chapter 4:** Introduction To Processes; **Chapter 5:** CPU Scheduling; **Chapter 6:** Process Synchronization; **Chapter 7:** Dealing with Deadlocks; **Chapter 8:** Memory Management Basics; **Chapter 9:** Managing Virtual Memory; **Chapter 10:** File System Interface and Implementation; **Chapter 11:** Device Management and Storage Structures; **Chapter 12:** Protection Security; **Chapter 13:** Operating System for Distributed Systems; **Chapter 14:** Case Studies- UNIX and Windows NT; Solution to Selected Exercise; Frequently Asked Questions and their Solutions



ENVIRONMENTAL STUDIES

MP Poonia, SC Sharma

ISBN: 9789386173096

Pages: 412

Year: 2018

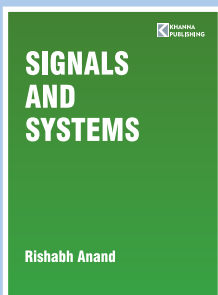
Price: ₹350.00

Subject: Environmental Science

CONTENTS:

Chapter 1: An Introduction (Multidisciplinary Nature of Environmental Studies); **Chapter 2:** The Earth and The Biosphere (Earth Sciences); **Chapter 3:** Ecology; **Chapter 4:** Ecosystems; **Chapter 5:** Biodiversity and Conservation; **Chapter 6:** Natural Resources; **Chapter 7:** Forest Resources; **Chapter 8:** Water Resources; **Chapter 9:** Mineral Resources; **Chapter 10:** Land (Soil) Resources; **Chapter 11:** Energy Resources; **Chapter 12:** Food Resources; **Chapter 13:** Environmental Pollution (Hazards) and Control; **Chapter 14:** Waste Management; **Chapter 15:** Disaster Management; **Chapter 16:** Social Issues; **Chapter 17:** Environmental Challenges; **Chapter 18:** Human Pollution and The Environment; **Chapter 19:** Resettlement and Rehabilitation (R & R); **Chapter 20:** Environmental Protection; **Chapter 21:** Environmental Legislation; **Chapter 22:** Environmental Impact Assessment (EIA); **Chapter 23:** Environmental Management and Environmental Management Plan (EMP)

COMPUTER SCIENCE ENGINEERING — SEMESTER-V



SIGNALS AND SYSTEMS

Rishabh Anand

ISBN: 9789386173539

Pages: 499

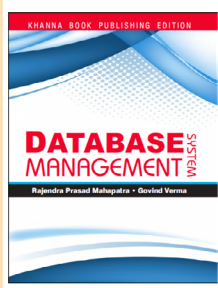
Year: 2018

Price: ₹399.00

Subject: Signals and Systems

CONTENTS:

Chapter 1: Introduction to Signals and Systems; **Chapter 2:** Linear Time invariant Continuous- Time and Discrete-time Systems; **Chapter 3:** Fourier Series of Continuous-Time Signals or Continuous-Time Fourier Series(CTFS); **Chapter 4:** Discrete-Time Fourier Series (DTFS); **Chapter 5:** Continuous-Time Fourier Transform (CTFT); **Chapter 6:** The Discrete-Time Fourier Transform (DTFT); **Chapter 7:** The Discrete Fourier Transform (DFT); **Chapter 8:** Fast Fourier Transform (FFT) Algorithms; **Chapter 9:** The Laplace Transform; **Chapter 10:** z-Transform; **Chapter 11:** Characterization of Signals and Systems in Time and Frequency-Domain; **Chapter 12:** Sampling of Continuous-Time Signals; **Chapter 13:** Sampling of Discrete-time Signals



DATABASE MANAGEMENT SYSTEMS

RP Mahapatra

ISBN: 9789382609148

Pages: 552

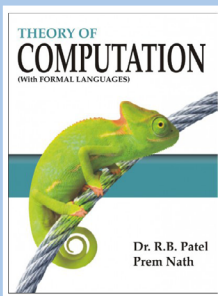
Year: 2016

Price: ₹385.00

Subject: Database Management System

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Data Base Design & data Modeling; **Chapter 3:** Data Base Query Languages; **Chapter 4:** Database Storage & File Structure; **Chapter 5:** Database Implementation; **Chapter 6:** Type Of Databases; **Chapter 7:** Database Application



THEORY OF COMPUTATION (WITH FORMAL LANGUAGES)

RB Patel, Prem Nath

ISBN: 9789380016528

Pages: 456

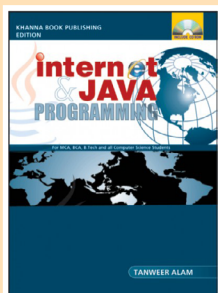
Year: 2010

Price: ₹325.00

Subject: Formal Language and Automata Theory

CONTENTS:

Chapter 1: Preliminaries Used in Theory of Computation; **Chapter 2:** Introduction to Finite Automata; **Chapter 3:** Finite State Machines (Transducers); **Chapter 4:** Grammars and Languages; **Chapter 5:** Regular Expressions, Regular Languages and Finite Automata; **Chapter 6:** Context-free Grammars and Languages; **Chapter 7:** Pushdown Automata and Parsing Techniques; **Chapter 8:** Turing Machine; **Chapter 9:** Computability and Recognizability of Turing Machine; **Chapter 10:** Decidability and Undecidability; **Chapter 11:** Introduction to Computational Complexity



INTERNET & JAVA PROGRAMMING

Tanweer Alam

ISBN: 9789380016726

Pages: 692

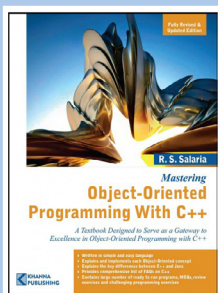
Year: 2010

Price: ₹350.00

Subject: Object Oriented Programming (OOP)

CONTENTS:

Chapter 1: Internet; **Chapter 2:** Java: Getting Start; **Chapter 3:** Java Language Basics; **Chapter 4:** Control Flow; **Chapter 5:** Arrays; **Chapter 6:** Object Orientation: An Introduction; **Chapter 7:** Introducing Classes; **Chapter 8:** Inheritance; **Chapter 9:** Packages; **Chapter 10:** String Handling; **Chapter 11:** Exception Handling in Java; **Chapter 12:** Applet Programming; **Chapter 13:** File Handling; **Chapter 14:** Multithreading; **Chapter 15:** Multimedia in Applet; **Chapter 16:** Socket Programming; **Chapter 17:** Abstract Window Toolkit; **Chapter 18:** Event Handling; **Chapter 19:** Graphics Programming; **Chapter 20:** Swing Programming; **Chapter 21:** JDBC; **Chapter 22:** Java Beans; **Chapter 23:** Remote Method Invocation; **Chapter 24:** Java Servlet; **Chapter 25:** Java Server Pages; **Chapter 26:** Moving from C++ to Java; **Chapter 27:** Application of Java; **Chapter 28:** Mini Projects; **Chapter 29:** Appendix A: Short Questions with Answers; **Chapter 30:** Appendix B: HTML



MASTERING OBJECT ORIENTED PROGRAMMING WITH C++

RS Salaria

ISBN: 9789382609391

Pages: 488

Edition: Sixth

Year: 2017

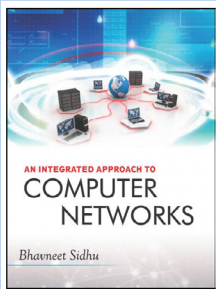
Price: ₹385.00

Subject: Object Oriented Programming (OOP)

CONTENTS:

Chapter 1: Introduction to Object-Oriented Programming; **Chapter 2:** Migrating from C to C++; **Chapter 3:** Standard Input/Output; **Chapter 4:** Classes and Objects; **Chapter 5:** Pointers and Dynamic Memory Management; **Chapter 6:** Constructors and Destructors; **Chapter 7:** Overloading and Type Conversion; **Chapter 8:** Inheritance; **Chapter 9:** Virtual Functions and Polymorphism; **Chapter 10:** Exception Handling; **Chapter 11:** Templates and Generic Programming; **Chapter 12:** File Handling; **Chapter 13:** Introduction to Standard Template Library (STL)

COMPUTER SCIENCE ENGINEERING — SEMESTER-VI



AN INTEGRATED APPROACH TO COMPUTER NETWORKS

Bhavneet Sidhu

ISBN: 9788187325727

Pages: 584

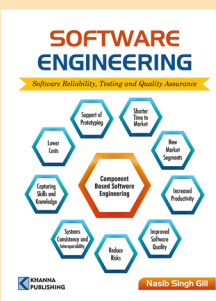
Year: 2015

Price: ₹385.00

Subject: Computer Networks

CONTENTS:

Chapter 1: Introduction to Computer Networks; **Chapter 2:** Network Topologies; **Chapter 3:** Reference Models-OSI and TCP/IP; **Chapter 4:** Transmission Media; **Chapter 5:** Electromagnetic Signals and Modulation; **Chapter 6:** Switching Principles; **Chapter 7:** Multiplexing Techniques; **Chapter 8:** Telephone System and ISDN Services; **Chapter 9:** Data Link Layer; **Chapter 10:** Multiple Access Protocols; **Chapter 11:** Introduction to LAN and MAN Protocols; **Chapter 12:** Network Layer; **Chapter 13:** Internetworking Devices; **Chapter 14:** Transport Layer; **Chapter 15:** Session and Presentation Layer; **Chapter 16:** Application Layer; **Chapter 17:** Network Security; **Chapter 18:** Some Network Standards



SOFTWARE ENGINEERING

Nasib Singh Gill

ISBN: 9788190611633

Pages: 656

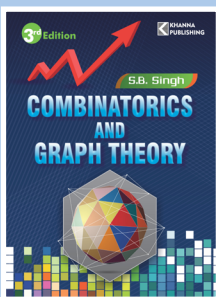
Year: 2018

Price: ₹399.00

Subject: Software Engineering

CONTENTS:

Chapter 1: Historical Evolution of Software Engineering; **Chapter 2:** Software Life cycle Models; **Chapter 3:** Software Project Management; **Chapter 4:** Software Project Estimation and Risk Management; **Chapter 5:** Requirements Engineering and Specifications; **Chapter 6:** Software Design Fundamentals; **Chapter 7:** Software Design Strategies and Methods; **Chapter 8:** Structured Analysis and Design Tools; **Chapter 9:** User Interface Design; **Chapter 10:** Coding; **Chapter 11:** Software testing Techniques and Strategies; **Chapter 12:** Software Measures, Metrics and Models; **Chapter 13:** Software Quality and Quality Assurance; **Chapter 14:** Software Quality Standards and Models; **Chapter 15:** Software Reliability and Reliability Models; **Chapter 16:** Software Safety and Hazard Analysis; **Chapter 17:** Computer Aided Software Engineering (CASE) Tools; **Chapter 18:** Software Maintenance and Maintenance Costs; **Chapter 19:** Software Configuration Management; **Chapter 20:** Software Reuse and Activities; **Chapter 21:** Component- Based Software Engineering; **Chapter 22:** Software Architecture; **Chapter 23:** Software Documentation; **Chapter 24:** Software Re-engineering



COMBINATORICS AND GRAPH THEORY

SB Singh

ISBN: 9788190645102

Pages: 480

Edition: Third

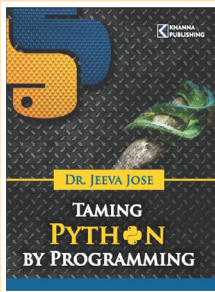
Year: 2014

Price: ₹350.00

Subject: Graph Theory

CONTENTS:

Chapter 1: Combinatorics; **Chapter 2:** Graph Theory; **Chapter 3:** Trees; **Chapter 4:** Planar Graph; **Chapter 5:** Matrix Representation of Graphs; **Chapter 6:** Colourings; **Chapter 7:** Directed Graph; **Chapter 8:** Enumeration; **Chapter 9:** Application of Graph in Computer Science; **Chapter 10:** Miscellaneous Examples



TAMING PYTHON BY PROGRAMMING

Jeeva Jose

ISBN: 9789386173348

Pages: 346

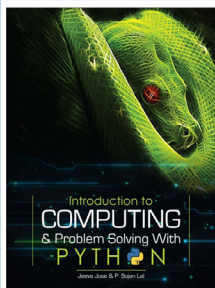
Year: 2018

Price: ₹325.00

Subject: Python Programming

CONTENTS:

Chapter 1: Introduction to Python; **Chapter 2:** Data Types and Operations; **Chapter 3:** Flow Control; **Chapter 4:** Functions; **Chapter 5:** Modules and Packages; **Chapter 6:** File Handling; **Chapter 7:** Object oriented Programming; **Chapter 8:** Exception Handling; **Chapter 9:** Regular Expressions; **Chapter 10:** Database programming; **Chapter 11:** Iterators, Generators and Decorators; **Chapter 12:** GUI Programming; **Chapter 13:** Multithreading; **Chapter 14:** CGI Programming; **Chapter 15:** Socket Programming; Index



INTRODUCTION TO COMPUTING AND PROBLEM SOLVING WITH PYTHON

Jeeva Jose

ISBN: 9789382609810

Pages: 296

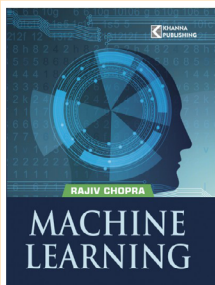
Year: 2017

Price: ₹295.00

Subject: Python Programming

CONTENTS:

Chapter 1: Introduction to computers; **Chapter 2:** Program Logic and flow Charts; **Chapter 3:** Introduction to Python; **Chapter 4:** Data Types and Operations; **Chapter 5:** Flow Control; **Chapter 6:** Functions; **Chapter 7:** Modules and Packages; **Chapter 8:** File Handling; **Chapter 9:** Object Oriented Programming; **Chapter 10:** Exception Handling; **Chapter 11:** Regular Expressions; **Chapter 12:** Database Programming



MACHINE LEARNING

Rajiv Chopra

ISBN: 9789386173423

Pages: 268

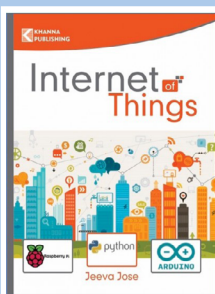
Year: 2018

Price: ₹260.00

Subject: Artificial Intelligence

CONTENTS:

Chapter 1: Introduction to Machine Learning; **Chapter 2:** Types of Learning; **Chapter 3:** Classification Families; **Chapter 4:** Learning Algorithms; **Chapter 5:** Unsupervised Learning and their Algorithms; **Chapter 6:** Reinforcement Learning and Control; **Chapter 7:** IOT and Machine Learning; **Chapter 8:** PROJECT; **Chapter 9:** Object Detection and Smudging Using Gradient Descent; **Chapter 10:** PROJECT; **Chapter 11:** Spam Filtering based on Text Classification Using Machine Learning Algorithms; **Chapter 12:** Appendices-A: Glossary; **Chapter 13:** Appendices-B: End Term: Question Paper; References; Index



INTERNET OF THINGS

Jeeva Jose

ISBN: 9789386173591

Pages: 500

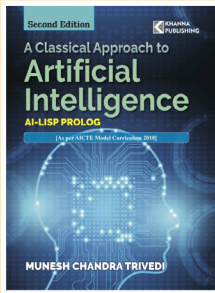
Year: 2018

Price: ₹399.00

Subject: Internet of Things

CONTENTS:

Chapter 1: Introduction to Internet of Things; **Chapter 2:** IOT Networking; **Chapter 3:** Connectivity Technologies; **Chapter 4:** Wireless Sensor Networks; **Chapter 5:** UAV Networks & M2M Communication; **Chapter 6:** Programming with Arduino; **Chapter 7:** Introduction to Python Programming; **Chapter 8:** IoT implementation with Raspberry Pi; **Chapter 9:** Software Defined Networking; **Chapter 10:** Cloud Computing; **Chapter 11:** Sensor cloud; **Chapter 12:** Fog Computing; **Chapter 13:** Smart Homes; **Chapter 14:** Smart Grids; **Chapter 15:** Smart Cities; **Chapter 16:** Connected vehicles; **Chapter 17:** Industrial IoT



A CLASSICAL APPROACH TO ARTIFICIAL INTELLIGENCE

Munesh Chandra Trivedi

ISBN: 9788190698894

Pages: 540

Edition: Second

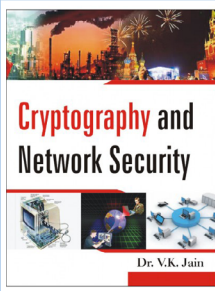
Year: 2018

Price: ₹399.00

Subject: Artificial Intelligence

CONTENTS:

Chapter 1: Overview of Artificial Intelligence; **Chapter 2:** Problem Solving and Search; **Chapter 3:** Search Methods; **Chapter 4:** Problem Solving in Games (Adversarial Search); **Chapter 5:** Understanding Natural Languages; **Chapter 6:** Knowledge Representation; **Chapter 7:** Techniques of Knowledge Representation; **Chapter 8:** Expert System; **Chapter 9:** Pattern Recognition; **Chapter 10:** Computer Vision; **Chapter 11:** Computer Vision Representations; **Chapter 12:** Common Sense; **Chapter 13:** Programming Languages



CRYPTOGRAPHY AND NETWORK SECURITY

VK Jain

ISBN: 9789380016801

Pages: 602

Year: 2013

Price: ₹295.00

Subject: Cryptography and Network Security

CONTENTS:

Chapter 1: Introduction to Cryptography and Network Security; **Chapter 2:** Basic Concepts in Data Encryption; **Chapter 3:** Model Block Cipher; **Chapter 4:** Groups, Ring and Field; **Chapter 5:** Public Key Cryptosystem and RSA; **Chapter 6:** Authentication; **Chapter 7:** Digital Signatures; **Chapter 8:** Authentication Application; **Chapter 9:** IP Security; **Chapter 10:** Web Security; **Chapter 11:** System Security; Index



BIG DATA & HADOOP

VK Jain

ISBN: 9789382609131

Pages: 656

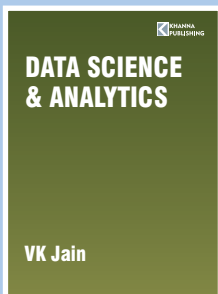
Year: 2018

Price: ₹495.00

Subject: Data Analytics

CONTENTS:

Chapter 1: Overview of Big Data; **Chapter 2:** Basics of Hadoop; **Chapter 3:** IBM's Infosphere Biginsights; **Chapter 4:** Hadoop Distributed File System; **Chapter 5:** No SQL Data Management and MongoDB; **Chapter 6:** Hbase and Cassandra; **Chapter 7:** Mapreduce; **Chapter 8:** Jaql: JSON Based Query Language; **Chapter 9:** Hive: The Data Warehouse of Hadoop; **Chapter 10:** Pig: The Higher Level Programming Environment; **Chapter 11:** Bigsheets Spreadsheet Like Environment; **Chapter 12:** Bigsheets Workbooks; **Chapter 13:** Sqoop: Importing Data From Heterogeneous Sources; **Chapter 14:** Data Stream Mining; **Chapter 15:** Flume: Big Data Realtime Streaming; **Chapter 16:** R Programming: A Strong Visualization and Graphics Tool; **Chapter 17:** Other Components of Hadoop: Oozie, Zookeeper and Mahout



DATA SCIENCE & ANALYTICS

VK Jain

ISBN: 9789386173676

Pages: 499

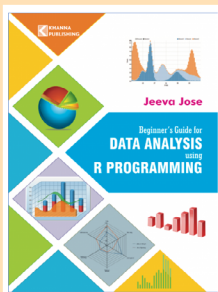
Year: 2018

Price: ₹399.00

Subject: Data Analytics

CONTENTS:

Unit-1: Introduction to Data Science; Unit-2: Data Management; Unit-3: Data Analysis; Unit-4: Data Visualisation; Unit-5: Application of Data Science, Technology for Visualisation and Bokeh; Unit-6: Recent Trends in Data Science; Annexure-1: R Programming Language & software Environment for Statistical Analysis and Graphics



BEGINNERS GUIDE FOR DATA ANALYSIS USING R PROGRAMMING

Jeeva Jose

ISBN: 9789386173454

Pages: 368

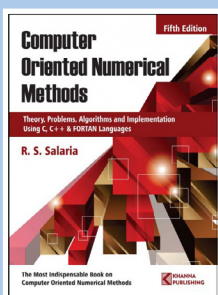
Year: 2018

Price: ₹399.00

Subject: Data Analytics

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Data Types & Operations; **Chapter 3:** Flow Control; **Chapter 4:** Functions & Packages; **Chapter 5:** Charts and Graphs; **Chapter 6:** Connecting R to External Interfaces; **Chapter 7:** Elementary Statistics; **Chapter 8:** Tests of Hypotheses; **Chapter 9:** Non Parametric Tests; **Chapter 10:** Analysis of Variance; **Chapter 11:** Basic Multivariate & Analysis; **Chapter 12:** Advanced Multivariate Analysis; **Chapter 13:** Advanced Graphs



COMPUTER ORIENTED NUMERICAL METHODS

RS Salaria

ISBN: 9789381068489

Pages: 488

Edition: Fifth

Year: 2016

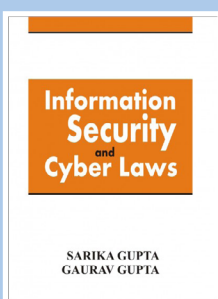
Price: ₹385.00

Subject: Numerical Methods

CONTENTS:

Chapter 1: Preamble; **Chapter 2:** Data Representation & Computer Arithmetic; **Chapter 3:** Solution of Non-Linear Equations; **Chapter 4:** Matrices and Determinants; **Chapter 5:** Solution of System of Linear Equations; **Chapter 6:** Interpolation and Approximation; **Chapter 7:** Curve Fitting & Method of Least Squares; **Chapter 8:** Numerical Differentiation; **Chapter 9:** Numerical Integration; **Chapter 10:** Solution of Ordinary Differential Equations

LIST OF SOME OTHER USEFUL BOOKS



INFORMATION SECURITY & CYBER LAWS

Gaurav Gupta,
Sarika Gupta

ISBN: 9789381068243

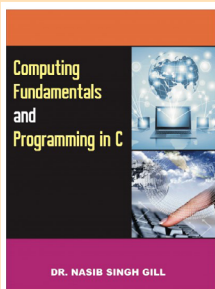
Pages: 426

Year: 2013

Price: ₹295.00

CONTENTS:

Chapter 1: What is Information ?; **Chapter 2:** What is Security ?; **Chapter 3:** What is E-commerce ?; **Chapter 4:** Physical Security; **Chapter 5:** Cryptography; **Chapter 6:** Network Security; **Chapter 7:** Security Metrics; **Chapter 8:** Ethical Issues; Question Bank; Model papers



COMPUTER FUNDAMENTALS AND PROGRAMMING IN C

Nasib Singh Gill

ISBN: 9789381068502

Pages: 856

Year: 2016

Edition: First

Price: ₹385.00

CONTENTS:

Chapter 1: History of Computing; **Chapter 2:** Basic Elements of Computers and Applications; **Chapter 3:** Number Systems and Data Representation; **Chapter 4:** Computer Codes; **Chapter 5:** Input and Output Devices; **Chapter 6:** Computer Memory and Secondary Storage; **Chapter 7:** Data Communication, Computer Networks and Internet; **Chapter 8:** Basic Concepts of Software and Its Types; **Chapter 9:** Evolution of Programming Languages and Program Development; **Chapter 10:** Overview of C Language; **Chapter 11:** Variables, Constants and Data Types; **Chapter 12:** Operator Types in C and Expressions; **Chapter 13:** Decision Making Iterative and Control Constructs In C; **Chapter 14:** User Defined Functions; **Chapter 15:** Arrays Overview and Its Types; **Chapter 16:** Pointers and Applications; **Chapter 17:** Structures and Union; **Chapter 18:** File Management in C; Problems & Solutions on C Programming



MULTIMEDIA AND ANIMATION

VK Jain

ISBN: 9789386173126

Pages: 500

Year: 2018

Edition: First

Price: ₹350.00

CONTENTS:

Chapter 1: Introduction to Multimedia and Animation; **Chapter 2:** Multimedia Hardware and Software Tools; **Chapter 3:** Multimedia Colour and Design; **Chapter 4:** Multimedia Text and Hypertext; **Chapter 5:** Multimedia Images and Graphics; **Chapter 6:** Audio Fundamentals and Representations; **Chapter 7:** Video Processing; **Chapter 8:** Animation; **Chapter 9:** Multimedia Authoring Tools; **Chapter 10:** Internet, Web and Social Media; **Chapter 11:** Wireless Multimedia; **Chapter 12:** Multimedia projects: Multimedia Skills



HACKING

Harsh Bothra

ISBN: 9789386173058

Pages: 200

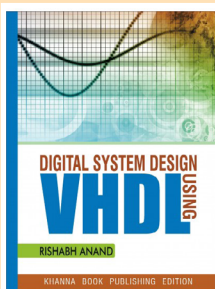
Year: 2018

Price: ₹199.00

CONTENTS:

PART-A: Basics Of Hacking; **Chapter 1:** Introduction to Hacking; **Chapter 2:** Introduction to Ports & Protocols; **Chapter 3:** Virtualization & Introduction to Kali Linux; **Chapter 4:** Footprinting; **Chapter 5:** Scanning; **PART-B: Performing The Hack;** **Chapter 6:** Hacking Into System; **Chapter 7:** Trojans & Backdoors; **Chapter 8:** Viruses & Worms; **Chapter 9:** Sniffing, Packet Analysis & Session Hijacking; **Chapter 10:** Social Engineering; **Chapter 11:** Cryptography; **Chapter 12:** Steganography; **Chapter 13:** Vulnerability Assessment; **Chapter 14:** Deep Web & Dark Net; **PART-C: Advance Hacking;** **Chapter 15:** Denial of Service; **Chapter 16:** Web Application & Web Server Penetration Testing; **Chapter 17:** Wireless Network Exploitation; **Chapter 18:** Additional References

ELECTRONICS & COMMUNICATION ENGINEERING — SEMESTER-III



DIGITAL SYSTEM DESIGN USING VHDL

Rishabh Anand

ISBN: 9789381068786

Pages: 352

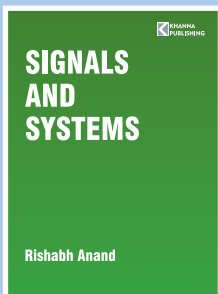
Year: 2013

Price: ₹250.00

Subject: Digital System Design

CONTENTS:

Chapter 1: Introduction to VHDL; **Chapter 2:** VHDL Statements; **Chapter 3:** Combinational Circuit Design; **Chapter 4:** Sequential Circuit; **Chapter 5:** Specification And Implementation Of A Microcomputer; **Chapter 6:** Introduction To Programmable Logic Devices; **Chapter 7:** VHDL Programs; Frequently Asked Questions; Appendix



SIGNALS AND SYSTEMS

Rishabh Anand

ISBN: 9789386173539

Pages: 399

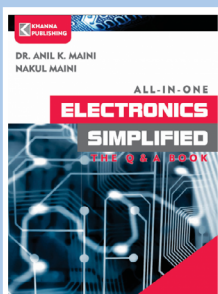
Year: 2018

Price: ₹399.00

Subject: Signals and Systems

CONTENTS:

Chapter 1: Introduction to Signals and Systems; **Chapter 2:** Linear Time invariant Continuous- Time and Discrete-time Systems; **Chapter 3:** Fourier Series of Continuous-Time Signals or Continuous-Time Fourier Series(CTFS); **Chapter 4:** Discrete-Time Fourier Series (DTFS); **Chapter 5:** Continuous-Time Fourier Transform (CTFT); **Chapter 6:** The Discrete-Time Fourier Transform (DTFT); **Chapter 7:** The Discrete Fourier Transform (DFT); **Chapter 8:** Fast Fourier Transform (FFT) Algorithms; **Chapter 9:** The Laplace Transform; **Chapter 10:** z-Transform; **Chapter 11:** Characterization of Signals and Systems in Time and Frequency-Domain; **Chapter 12:** Sampling of Continuous-Time Signals; **Chapter 13:** Sampling of Discrete-time Signals



ALL-IN-ONE ELECTRONICS SIMPLIFIED

AK Maini, Nakul Maini

ISBN: 9789386173393

Pages: 904

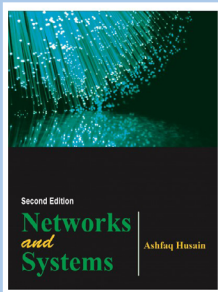
Year: 2018

Price: ₹699.00

Subject: Electronics Devices

CONTENTS:

Chapter 1: Resistors and Resistive Networks; **Chapter 2:** Capacitors and Capacitive Networks; **Chapter 3:** Inductors and Transformers; **Chapter 4:** Hardware Electronic Components; **Chapter 5:** Network Fundamentals; **Chapter 6:** Network Theorems; **Chapter 7:** Fourier Analysis of Waveform; **Chapter 8:** Two-Port Networks and State Equations; **Chapter 9:** Diodes and Transistors; **Chapter 10:** Field Effect transistors; **Chapter 11:** UJT'S and Thyristors; **Chapter 12:** Optoelectronic Devices; **Chapter 13:** Amplifiers; **Chapter 14:** Oscillators; **Chapter 15:** Linear Power Supplies; **Chapter 16:** Switched Mode Power Supplies; **Chapter 17:** Wave Shaping Circuits; **Chapter 18:** Operational Amplifiers; **Chapter 19:** Operational Amplifiers; **Chapter 20:** IC Timers; **Chapter 21:** Phase Locked Loops; **Chapter 22:** Digital Electronics Fundamental; **Chapter 23:** Logic Gates Logic Families and Combinational Logic Circuits; **Chapter 24:** Sequential Logic Circuits; **Chapter 25:** D/A and A/D Converters; **Chapter 26:** Microprocessors and Memory Devices; **Chapter 27:** Programmable Logic Devices; **Chapter 28:** Feedback and Control Systems; **Chapter 29:** Electrical Measurements and Instrumentation; **Chapter 30:** Sensors and Transducers



NETWORKS AND SYSTEMS

Ashfaq Husain

ISBN: 9788187522089

Pages: 1160

Year: 2015

Edition: Second

Price: ₹450.00

Subject: Network Theory

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Circuit Elements; **Chapter 3:** Signal Wave forms; **Chapter 4:** Kirchhoff's Laws and Equivalent Networks; **Chapter 5:** Sinusoids and Phasors; **Chapter 6:** Single-Phase Series AC Circuits; **Chapter 7:** Single-Phase Parallel and Series-Parallel AC Circuits; **Chapter 8:** Resonance; **Chapter 9:** Three-Phase Circuits; **Chapter 10:** Laplace transform Analysis; **Chapter 11:** Mesh and Nodal Analysis; **Chapter 12:** Network Theorems; **Chapter 13:** Network Graph Theory; **Chapter 14:** Circuit Transients; **Chapter 15:** State Variable Analysis; **Chapter 16:** Two-Port Networks; **Chapter 17:** Coupled Elements and Circuits; **Chapter 18:** Network Functions; **Chapter 19:** Fourier Series; **Chapter 20:** Fourier Transform; **Chapter 21:** Passive Network Synthesis

ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-IV

ANALOG ELECTRONICS

OXFORD
UNIVERSITY PRESS

AK Maini

ANALOG ELECTRONICS

AK Maini

ISBN: 9789386173584

Pages: 400

Year: 2018

Price: ₹299.00

Subject: Analog Circuit

CONTENTS:

Chapter 1: Semiconductor Diodes-Fundamentals, Types and Circuits; **Chapter 2:** Bipolar Junction Transistor; **Chapter 3:** Field- Effect Transistors; **Chapter 4:** Small Signal Analysis of Amplifiers; **Chapter 5:** Large Signal Amplifiers; **Chapter 6:** Feedback Amplifiers; **Chapter 7:** Oscillators- Sinusoidal and Non-Sinusoidal; **Chapter 8:** Building blocks of Operational Amplifiers; **Chapter 9:** Applications of Operational amplifiers; **Chapter 10:** Digital-to-Analog and Analog-to-Digital Converters; **Chapter 11:** Switched Capacitor Circuits; Illustrated Glossary; Review Questions; Problems; Objective Type Questions and Answers

ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-V

Electromagnetic Waves

OXFORD
UNIVERSITY PRESS

RL Yadava

ELECTROMAGNETIC WAVES

RL Yadava

ISBN: 9789386173546

Pages: 500

Year: 2018

Price: ₹399.00

Subject: Electromagnetic Waves

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Vector Analysis and Coordinate System; **Chapter 3:** Electrostatic Fields; **Chapter 4:** Magnetostatic Fields; **Chapter 5:** Uniform Plane Wave and Maxwell's Equations; **Chapter 6:** Electromagnetic waves and Flow of Power; **Chapter 7:** Transmission Lines; **Chapter 8:** Antenna Impedance and Broadband Matching; **Chapter 9:** Waveguides; **Chapter 10:** Principle of Radiation and antennas; **Chapter 11:** Electromagnetic Interference and Compactibility; Solved Examples; Question Bank; References; Appendix

ELECTRONICS AND COMMUNICATION ENGINEERING — SEMESTER-VI

CONTROL SYSTEM

A. Ambikapathy

CONTROL SYSTEM

A Ambikapathy

ISBN: 9789380016948

Pages: 788

Year: 2010

Price: ₹350.00

Subject: Control Systems

CONTENTS:

Chapter 1: Basics of Control System; **Chapter 2:** Time Domain Analysis; **Chapter 3:** Concept of Stability; **Chapter 4:** Correlation; **Chapter 5:** Compensators Design

Electromagnetic Waves

OXFORD
UNIVERSITY PRESS

RL Yadava

ELECTROMAGNETIC WAVES

RL Yadava

ISBN: 9789386173546

Pages: 500

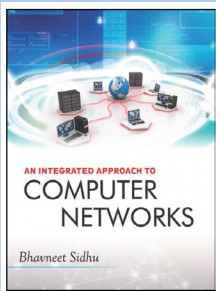
Year: 2018

Price: ₹399.00

Subject: Antennas and Propagation

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** Vector Analysis and Coordinate System; **Chapter 3:** Electrostatic Fields; **Chapter 4:** Magnetostatic Fields; **Chapter 5:** Uniform Plane Wave and Maxwell's Equations; **Chapter 6:** Electromagnetic waves and Flow of Power; **Chapter 7:** Transmission Lines; **Chapter 8:** Antenna Impedance and Broadband Matching; **Chapter 9:** Waveguides; **Chapter 10:** Principle of Radiation and antennas; **Chapter 11:** Electromagnetic Interference and Compactibility; Solved Examples; Question Bank; References; Appendix



AN INTEGRATED APPROACH TO COMPUTER NETWORKS

Bhavneet Sidhu

ISBN: 9788187325727

Pages: 584

Year: 2015

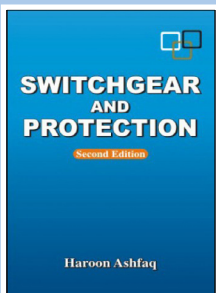
Price: ₹385.00

Subject: Computer Networks

CONTENTS:

Chapter 1: Introduction to Computer Networks; **Chapter 2:** Network Topologies; **Chapter 3:** Reference Models-OSI and TCP/IP; **Chapter 4:** Transmission Media; **Chapter 5:** Electromagnetic Signals and Modulation; **Chapter 6:** Switching Principles; **Chapter 7:** Multiplexing Techniques; **Chapter 8:** Telephone System and ISDN Services; **Chapter 9:** Data Link Layer; **Chapter 10:** Multiple Access Protocols; **Chapter 11:** Introduction to LAN and MAN Protocols; **Chapter 12:** Network Layer; **Chapter 13:** Internetworking Devices; **Chapter 14:** Transport Layer; **Chapter 15:** Session and Presentation Layer; **Chapter 16:** Application Layer; **Chapter 17:** Network Security; **Chapter 18:** Some Network Standards

LIST OF SOME OTHER USEFUL BOOKS



SWITCHGEAR & PROTECTION

Haroon Ashfaq

ISBN: 9789380016078

Pages: 244

Edition: Second

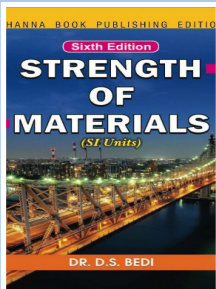
Year: 2009

Price: ₹250.00

CONTENTS:

Chapter 1: Protection Systems; **Chapter 2:** Electromagnetic & Electro-Thermal Relays; **Chapter 3:** Static Relays; **Chapter 4:** Over current Protection; **Chapter 5:** Distance Protection; **Chapter 6:** Transformer Protection; **Chapter 7:** Generator and Motor Protection; **Chapter 8:** Transmission Line and Busbar Protection; **Chapter 9:** System Neutral Grounding; **Chapter 10:** Over voltage Protection; **Chapter 11:** Circuit Breaking; **Chapter 12:** Circuit Breakers

CHEMICAL ENGINEERING — SEMESTER-III



STRENGTH OF MATERIALS

DS Bedi

ISBN: 9789382609117

Pages: 850

Year: 2013

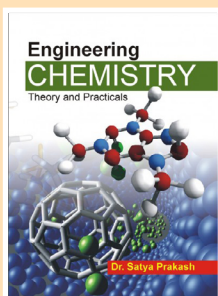
Edition: Sixth

Price: ₹375.00

Subject: Engineering and Solid Mechanics

CONTENTS:

Chapter 1: Simple Stress and Strain; **Chapter 2:** Complex Stresses and Strains; **Chapter 3:** Shearing Force and Bending Moments in Beams; **Chapter 4:** Bending Stresses; **Chapter 5:** Shear Stresses in Beams; **Chapter 6:** Deflection of Beams; **Chapter 7:** Torsion of Circular Shafts; **Chapter 8:** Struts and Columns; **Chapter 9:** Thin Shells; **Chapter 10:** Thick Cylinders; **Chapter 11:** Springs; **Chapter 12:** Strain Energy and Deflection due to Shear and Bending; **Chapter 13:** Theories of Failure; **Chapter 14:** Bending of Curved Bars; **Chapter 15:** Stresses Due to Rotation; **Chapter 16:** Unsymmetrical Bending; **Chapter 17:** Plastic Theory of Bending; **Chapter 18:** Three Dimensional Stress System; **Chapter 19:** Torsion of Non-Circular Shafts; **Chapter 20:** Miscellaneous Problems; **Chapter 21:** Plastic Theory of Bending; Index; Appendix



ENGINEERING CHEMISTRY

Satya Prakash

ISBN: 9789380016757

Pages: 296

Year: 2010

Price: ₹225.00

Subject: Chemistry-II

CONTENTS:

Chapter 1: Water and Its Treatment; **Chapter 2:** Fuels; **Chapter 3:** Gaseous State; **Chapter 4:** Catalysis; **Chapter 5:** The Phase Rule; **Chapter 6:** Thermochemistry; **Chapter 7:** Engineering Chemistry Lab; Syllabus; Handling of Data; Question Papers

CHEMICAL ENGINEERING — SEMESTER-IV



ENVIRONMENTAL STUDIES

MP Poonia, SC Sharma

ISBN: 9789386173096

Pages: 412

Year: 2018

Price: ₹350.00

Subject: Environmental Science

CONTENTS:

Chapter 1: An Introduction (Multidisciplinary Nature of Environmental Studies); **Chapter 2:** The Earth and The Biosphere (Earth Sciences); **Chapter 3:** Ecology; **Chapter 4:** Ecosystems; **Chapter 5:** Biodiversity and Conservation; **Chapter 6:** Natural Resources; **Chapter 7:** Forest Resources; **Chapter 8:** Water Resources; **Chapter 9:** Mineral Resources; **Chapter 10:** Land (Soil) Resources; **Chapter 11:** Energy Resources; **Chapter 12:** Food Resources; **Chapter 13:** Environmental Pollution (Hazards) and Control; **Chapter 14:** Waste Management; **Chapter 15:** Disaster Management; **Chapter 16:** Social Issues; **Chapter 17:** Environmental Challenges; **Chapter 18:** Human Pollution and The Environment; **Chapter 19:** Resettlement and Rehabilitation (R & R); **Chapter 20:** Environmental Protection; **Chapter 21:** Environmental Legislation; **Chapter 22:** Environmental Impact Assessment (EIA); **Chapter 23:** Environmental Management and Environmental Management Plan (EMP)



PROCESS HEAT TRANSFER AND CHEMICAL EQUIPMENT DESIGN

DC Sikdar

ISBN: 9789386173614

Pages: 499

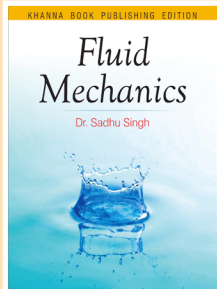
Year: 2018

Price: ₹299.00

Subject: Heat Transfer

CONTENTS:

Chapter 1: Basic Concept at Heat Transfer; **Chapter 2:** Conduction; **Chapter 3:** Insulations; **Chapter 4:** Convection; **Chapter 5:** Extended Surface—Fins; **Chapter 6:** Dimensionless Group and Dimensional Analysis; **Chapter 7:** Heat Transfer Analogy; **Chapter 8:** Heat Transfer with Phase Change; **Chapter 9:** Heat Transfer Equipment; **Chapter 10:** Design of Heat Transfer Equipment; **Chapter 11:** Radiation; Appendix; Aptitude Test in Process Heat Transfer



FLUID MECHANICS

Sadhu Singh

ISBN: 9789381068656

Pages: 678

Year: 2016

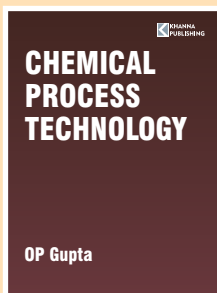
Price: ₹350.00

Subject: Fluid Mechanics

CONTENTS:

Chapter 1: Fluid Properties; **Chapter 2:** Fluid Statics; **Chapter 3:** Fluid Kinematics; **Chapter 4:** Fluid Dynamics; **Chapter 5:** Compressible Fluid Flow; **Chapter 6:** Viscous Flow; **Chapter 7:** Flow Through Pipes; **Chapter 8:** Boundary Layer flow; **Chapter 9:** Turbulent Flow; **Chapter 10:** Fluid Measurement; **Chapter 11:** Dimensional and Model Analysis; **Chapter 12:** Notches and Weirs; **Chapter 13:** Flow through Open Channels; **Chapter 14:** Potential Flow; Multiple Choice Questions; Index

CHEMICAL ENGINEERING — SEMESTER-VI



CHEMICAL PROCESS TECHNOLOGY

OP Gupta

ISBN: 9789386173553

Pages: 499

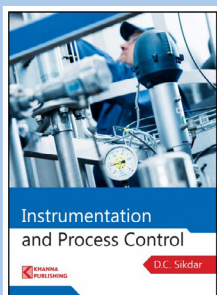
Year: 2018

Price: ₹299.00

Subject: Process Technology and Economics

CONTENTS:

Chapter 1: Water for industries and water treatment; **Chapter 2:** Acid industries: Sulphuric, Hydrochloric, Nitric and Phosphoric acids; **Chapter 3:** Alkali industries: Caustic soda, Sodium carbonate, Chlorine and Bleaching powder; **Chapter 4:** Fertilizers: Nitrogenous, phosphatic and potassic; **Chapter 5:** Glass and Ceramics; **Chapter 6:** Cement industry; **Chapter 7:** Refractories; **Chapter 8:** High Polymers- Plastics, Rubber and Fibers; **Chapter 9:** Petroleum Refinery; **Chapter 10:** Petrochemicals; **Chapter 11:** Oils and Fats: Refining, Hydrogenation, Fat splitting; **Chapter 12:** Soaps and Detergents; **Chapter 13:** Pulp and Paper industries; **Chapter 14:** Industrial fermentation- Ethyl alcohol; **Chapter 15:** Multiple choice Questions & Answers on Chemical Process Technology



INSTRUMENTATION AND PROCESS CONTROL

DC Sikdar

ISBN: 9789382609049

Pages: 368

Year: 2018

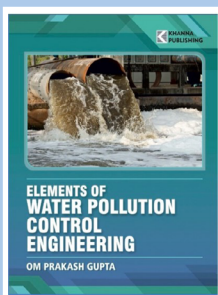
Price: ₹350.00

Subject: Process Control

CONTENTS:

Chapter 1: Instrumentation Fundamental; **Chapter 2:** Pressure Measurements; **Chapter 3:** Temperature Measurements; **Chapter 4:** Flow Measurements; **Chapter 5:** Level Measurements; **Chapter 6:** Laplace Transform; **Chapter 7:** Basic Concept of Process Control and First Order System; **Chapter 8:** First Order System in Series; **Chapter 9:** Second Order System; **Chapter 10:** Industrial Bio-processes; **Chapter 11:** Controllers and Final Control Elements; **Chapter 12:** Block Diagram and Transient Response of Closed Loop Control System; **Chapter 13:** Stability; **Chapter 14:** Advanced Control Techniques; **Chapter 15:** Control Structure of Unit Operations; Answer to Exercise Problems; Appendix; Index

CHEMICAL ENGINEERING — SEMESTER-VII



ELEMENTS OF WATER POLLUTION CONTROL ENGINEERING

OP Gupta

ISBN: 9789386173225

Pages: 499

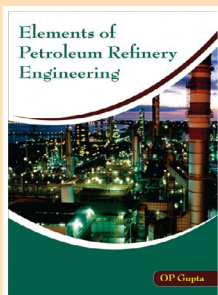
Year: 2018

Price: ₹299.00

Subject: Water Conservation and management

CONTENTS:

Chapter 1: Introduction to Water Pollution; **Chapter 2:** Characteristics and Properties of Water; **Chapter 3:** Purification of Water/Water Treatment; **Chapter 4:** Sources, Effects and Control of Water Pollution; **Chapter 5:** Waste Water/ Sewage Treatment; **Chapter 6:** Industrial Waste Water and Its Treatment; **Chapter 7:** Water Quality and Standards; **Chapter 8:** Water Related Disease; **Chapter 9:** Thermal Pollution of Water; **Chapter 11:** Water Management; **Chapter 12:** Water Pollution Control Acts & Rules; APPENDIX – A; Appendix- B



ELEMENTS OF PETROLEUM REFINERY ENGINEERING

OP Gupta

ISBN: 9789382609728

Pages: 452

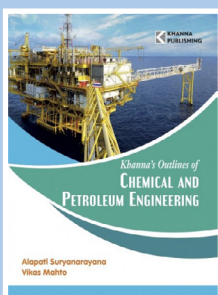
Year: 2016

Price: ₹295.00

Subject: Petroleum Refinery

CONTENTS:

Chapter 1: Origin, Composition, Classification, Pretreatment & Transportation of Petroleum Crude Oil; **Chapter 2:** Indian Crude Oil & Oil Refineries; **Chapter 3:** Processing of crude Oil-Refinery Operation & Products; **Chapter 4:** Thermal and Catalytic Cracking; **Chapter 5:** Thermal and Catalytic Reforming; **Chapter 6:** Polymerisation Alkylation and Isomerisation Processes; **Chapter 7:** Purification of Petroleum Products; **Chapter 8:** Properties of Petroleum Products; **Chapter 9:** Requisites of Good Quality Petroleum Products; **Chapter 10:** Storage and Handling of Petroleum Product; General Appendix; References/ Bibliography/Further Reading; Index



OUTLINES OF CHEMICAL & PETROLEUM ENGINEERING

Suryanaryana, V Mahto

ISBN: 9789386173195

Pages: 499

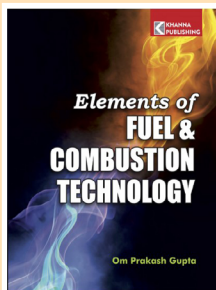
Year: 2018

Price: ₹499.00

Subject: Petroleum Refinery

CONTENTS:

Chapter 1: Stoichiometry; **Chapter 2:** Mechanical Operations; **Chapter 3:** Fuels and Combustion; **Chapter 4:** Chemical Technology; **Chapter 5:** Fluid Mechanics; **Chapter 6:** Heat Transfer; **Chapter 7:** Mass Transfer; **Chapter 8:** Thermodynamics; **Chapter 9:** Chemical Reaction Engineering; **Chapter 10:** Instrumentation and Process Control; **Chapter 11:** Equipment Design and Economics; **Chapter 12:** Computers; **Chapter 13:** Petroleum Engineering; **Chapter 14:** Energy Conservation and Safety; **Chapter 15:** Optimization; **Chapter 16:** Environmental Engineering; **Chapter 17:** Summary of Wquations; **Chapter 18:** Mathematics; **Chapter 19:** Material Science and Engineering; **Chapter 20:** Corrosion Engineering; **Chapter 21:** Safety Engineering; Multiple Choice Questions; Appendix



ELEMENTS OF FUEL & COMBUSTION TECHNOLOGY

OP Gupta

ISBN: 9789386173324

Pages: 1168

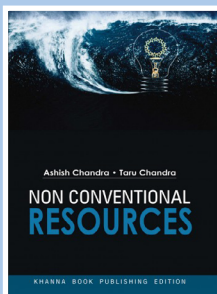
Year: 2018

Price: ₹495.00

Subject: Renewable Energy

CONTENTS:

Chapter 1: Introduction and Classification of Fuels; **Chapter 2:** Definitions and units Conversions Related to Fuel Technology; **Chapter 3:** Wood, Charcoal and Peat; **Chapter 4:** Origin, Composition, Characteristics, and Significance of Constitution of Coal; **Chapter 5:** Petrography of Coal; **Chapter 6:** Washing of Coal; **Chapter 7:** The Storage of Coal-Oxidation and Spontaneous Combustion; **Chapter 8:** Pulverised Fuel/Coal; **Chapter 9:** Usage of Coal; **Chapter 10:** Comparative Study of Solid, Liquid and Gaseous Fuel; **Chapter 11:** Selection of Coal for Various Uses; **Chapter 12:** Mineral Matters IN Coal-Ash and Clinker Formation; **Chapter 13:** Properties and Testing of Coal; **Chapter 14:** Classification of Coal; **Chapter 15:** Carbonisation of Coal-Coke making and By-Products Recovery; **Chapter 16:** Characteristics and Distribution of Indian Coal; **Chapter 17:** Origin, Composition, and Classification of Petroleum-Indian Crude Oil; **Chapter 18:** Crude of Distillation; **Chapter 19:** Thermal and Catalytic Cracking; **Chapter 20:** Thermal and Catalytic Reforming; **Chapter 21:** Polymerisation, Alkylation and Isomerisation; **Chapter 22:** Purification of Petroleum Products; **Chapter 23:** Properties of Petroleum Products; **Chapter 24:** Coal Tar Fuels (C:T:F); **Chapter 25:** Requisite of Good Quality Gasoline, Diesel, Fuel Oil and Other Petroleum Products; **Chapter 26:** Liquid Fuels from Coal by its Hydrogenation and Liquefaction; **Chapter 27:** Other Liquid Fuels-Benzole, Shale Oil, Alcohol and Colloidal Fuels; **Chapter 28:** Storage and Handling of Liquid Fuels/Fuel Oils; **Chapter 29:** Methane, Wood Gas, Gobar Gas, Sewage Gas and Gas from Underground Gasification of Coal; **Chapter 30:** Natural Gas, Liquefied Petroleum Gas(LPG) and Refinery Gases; **Chapter 31:** Producer Gas and Water Gas; **Chapter 32:** Blast Furnace Gas, Coke Oven Gas and L:D Converter Gas-Steel Plant Fuels; **Chapter 33:** Coal Gas from Coal Gasification Processes; **Chapter 34:** Oil Gas from Oil Gasification Processes; **Chapter 35:** General Principles of Combustion; **Chapter 36:** Types of Combustion Processes; **Chapter 37:** Combustion of Solid Fuels Grate Firing and Pulverised Fuel Firing System; **Chapter 38:** Burners of Liquid and Gaseous Fuels Combustion; **Chapter 39:** Combustion Calculations; **Chapter 40:** Gas Analysis and Calorific Value Determination; **Chapter 41:** Fluidised Bed Combustion; **Chapter 42:** Introduction of Furnaces; **Chapter 43:** Waste Heat Recovery and Fuel Economy in Furnaces; **Chapter 44:** Control of Furnace Atmosphere; **Chapter 45:** Classification of Furnaces; **Chapter 46:** Fuels and Furnaces in Steel Plants; **Chapter 47:** Furnace Heat Balance Calculations; **Chapter 48:** Briquetting of Solid Fuels/Coal; **Chapter 49:** Gas Cleaning and Purification; **Chapter 50:** Rocket Fuels; **Chapter 51:** Thermal Insulation; **Chapter 52:** Properties and Efficient Utilization of Steam; **Chapter 53:** Electric Furnaces; **Chapter 54:** Refractories; **Chapter 55:** Appendix-A: Technical Data on Fuels; **Chapter 56:** Appendix-B: Short Questions and Answers on Fuel Technology; **Chapter 57:** Appendix-C: Multi-Choice Questions and Answers Fuel and Combustion Technology; **Chapter 58:** Appendix-D: Glossary of terms related to Fuels and Combustion Technology



NON-CONVENTIONAL RESOURCES

Ashish Chandra,
Taru Chandra

ISBN: 9789381068830

Pages: 336

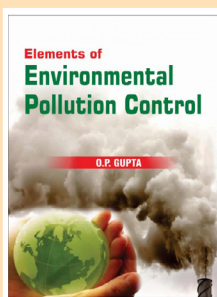
Year: 2018

Price: ₹295.00

Subject: Renewable Energy

CONTENTS:

Chapter 1: Introduction To Non Conventional Sources Of Energy; **Chapter 2:** Photovoltaic Solar Systems; **Chapter 3:** Solar Radiation And Its Measurement; **Chapter 4:** Solar Collectors; **Chapter 5:** Solar Thermal Energy Storage; **Chapter 6:** Solar Thermal Power Generating Systems; **Chapter 7:** Geothermal Energy; **Chapter 8:** Magneto-Hydro-Dynamic (MHD) Power Generation; **Chapter 9:** Fuel Cells; **Chapter 10:** Thermoelectric and Thermoionic Conversions; **Chapter 11:** Wind Energy; **Chapter 12:** Biomass Energy; **Chapter 13:** Ocean Thermal Energy Conversion; **Chapter 14:** Tidal Energy; Short Answer Type; Multiple Choice Question; Model Test Paper; Index



ELEMENTS OF ENVIRONMENTAL POLLUTION CONTROL

OP Gupta

ISBN: 9789382609667

Pages: 872

Year: 2018

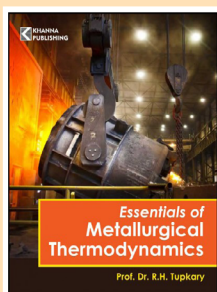
Price: ₹450.00

Subject: Environmental Pollution and Control

CONTENTS:

Chapter 1: Introduction Classification Sources and Effect of Environmental Pollution; **Chapter 2:** Terminology, Definition, Data, Units and their Conversion; **Chapter 3:** Classification of Environmental Pollution; **Chapter 4:** Environment: Its Components and Bio-Geochemical Cycles; **Chapter 5:** Atmosphere and its Constituents; **Chapter 6:** Introduction of Air Pollution; **Chapter 7:** Effects of Environmental Pollution on Plants/Trees/Vegetation

METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-III



ESSENTIALS OF METALLURGICAL THERMODYNAMICS

RH Tupkary

ISBN: 9789382609032

Pages: 220

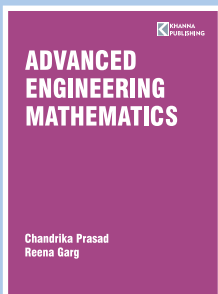
Year: 2016

Price: ₹195.00

Subject: Materials Thermodynamics

CONTENTS:

Chapter 1: Introduction; **Chapter 2:** First Law of Thermodynamics; **Chapter 3:** Second Law of Thermodynamics; **Chapter 4:** Thermodynamic Potentials; **Chapter 5:** Third Law of Thermodynamics; **Chapter 6:** Zeroth Law of Thermodynamics; **Chapter 7:** Chemical Equilibria; **Chapter 8:** Phase Equilibria in Single Component System; **Chapter 9:** Solution I; **Chapter 10:** Solution II; **Chapter 11:** Solution III; **Chapter 12:** Equilibria in Phase Diagrams; **Chapter 13:** Electrochemical Processes; **Chapter 14:** Free Energy - Temperature Relationship; **Chapter 15:** Kinetics of Reactions



ADVANCED ENGINEERING MATHEMATICS

Chandrika Prasad,
Reena Garg

ISBN: 9789386173522

Pages: 1200

Year: 2018

Price: ₹699.00

Subject: Mathematics-III

CONTENTS:

Unit I: Algebra, Vectors and Geometry; Chapter 1: Solution of Equations; **Chapter 2:** Linear Algebra: Determinants, Matrices; **Chapter 3:** Vector Algebra & Solid Geometry; **Unit II: Calculus; Chapter 4:** Differential Calculus and Its Applications; **Chapter 5:** Partial Differentiation and Its Applications; **Chapter 6:** Integral Calculus and Its Applications; **Chapter 7:** Multiple Integrals and Beta, Gamma Functions; **Chapter 8:** Vector Calculus and Its Applications; **Unit III: Series; Chapter 9:** Infinite Series; **Chapter 10:** Fourier Series; **Unit IV: Differential Equations; Chapter 11:** Differential Equations of First Order; **Chapter 12:** Applications of Differential Equations of First Order; **Chapter 13:** Linear Differential Equations; **Chapter 14:** Applications of Linear Differential Equations; **Chapter 15:** Differential Equations of Other Types; **Chapter 16:** Series Solution of Differential Equations and Special Functions; **Chapter 17:** Partial Differential Equations; **Chapter 18:** Applications of Partial Differential Equations; **Unit V: Complex Analysis; Chapter 19:** Complex Numbers and functions; **Chapter 20:** Calculus of Complex Functions; **Unit VI: Transforms; Chapter 21:** Laplace Transforms; **Chapter 22:** Fourier Transforms; **Chapter 23:** Z-Transforms; **Unit-VII: Numerical Techniques; Chapter 24:** Empirical Laws and Curve Fitting; **Chapter 25:** Statistical Methods; **Chapter 26:** Probability and Distributions; **Chapter 27:** Sampling and Inference; **Chapter 28:** Numerical Solution of Equations; **Chapter 29:** Finite Differences and interpolation; **Chapter 30:** Numerical Differentiation and Integration; **Chapter 31:** Difference Equations; **Chapter 32:** Numerical Solution of Ordinary Differential Equations; **Chapter 33:** Numerical Solution of Partial Differential Equations; **Unit VIII: Special Topics; Chapter 34:** Linear Programming; **Chapter 35:** Calculus of Variations



ENVIRONMENTAL STUDIES

MP Poonia, SC Sharma

ISBN: 9789386173096

Pages: 412

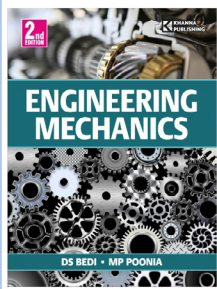
Year: 2018

Price: ₹350.00

Subject: Environmental
Science

CONTENTS:

Chapter 1: An Introduction (Multidisciplinary Nature of Environmental Studies); **Chapter 2:** The Earth and The Biosphere (Earth Sciences); **Chapter 3:** Ecology; **Chapter 4:** Ecosystems; **Chapter 5:** Biodiversity and Conservation; **Chapter 6:** Natural Resources; **Chapter 7:** Forest Resources; **Chapter 8:** Water Resources; **Chapter 9:** Mineral Resources; **Chapter 10:** Land (Soil) Resources; **Chapter 11:** Energy Resources; **Chapter 12:** Food Resources; **Chapter 13:** Environmental Pollution (Hazards) and Control; **Chapter 14:** Waste Management; **Chapter 15:** Disaster Management; **Chapter 16:** Social Issues; **Chapter 17:** Environmental Challenges; **Chapter 18:** Human Pollution and The Environment; **Chapter 19:** Resettlement and Rehabilitation (R & R); **Chapter 20:** Environmental Protection; **Chapter 21:** Environmental Legislation; **Chapter 22:** Environmental Impact Assessment (EIA); **Chapter 23:** Environmental Management and Environmental Management Plan (EMP)



ENGINEERING MECHANICS

DS Bedi, MP Poonia

ISBN: 9789386173263

Pages: 596

Year: 2018

Edition: Second

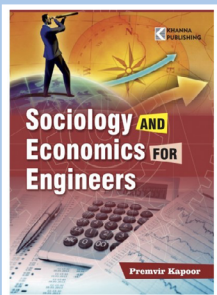
Price: ₹425.00

Subject: Engineering Mechanics

CONTENTS:

Chapter 1: Two Dimensional Force System; **Chapter 2:** Friction; **Chapter 3:** Shearing Force and Bending Moment in Beams; **Chapter 4:** Truss; **Chapter 5:** Centroid, Centre of Gravity, Second Moment of Area and moment of Inertia; **Chapter 6:** Kinematics of Rigid Body; **Chapter 7:** Kinetics of Rigid Bodies; **Chapter 8:** Simple Stress and Strain; **Chapter 9:** Elastic Constants, Complex Stresses and Strain Energy; **Chapter 10:** Pure Bending of Beams; **Chapter 11:** Torsion; Index; Important Mathematical Formulae

METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-IV



SOCIOLOGY & ECONOMICS FOR ENGINEERS

Premvir Kapoor

ISBN: 9789386173027

Pages: 278

Year: 2018

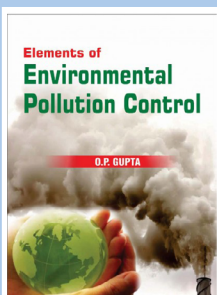
Price: ₹295.00

Subject: Economics for Engineers

CONTENTS:

Chapter 1: Sociology; **Chapter 2:** Society; **Chapter 3:** Engineering Economics; **Chapter 4:** Demand Analysis; **Chapter 5:** Supply Analysis; **Chapter 6:** Equilibrium Analysis; **Chapter 7:** Theory of Production; **Chapter 8:** Project Evaluation; **Chapter 9:** International Trade; **Chapter 10:** Money and Banking; **Chapter 11:** Financial Accounting; **Chapter 12:** Book Keeping And Accounting; **Chapter 13:** Final Accounts; **Chapter 14:** Depreciation; **Chapter 15:** Cost Concepts; **Chapter 16:** Break Even Analysis; Important Terms; Questions for Review

METALLURGICAL ENGINEERING & MATERIAL SCIENCE — SEMESTER-V



ELEMENTS OF ENVIRONMENTAL POLLUTION CONTROL

OP Gupta

ISBN: 9789382609667

Pages: 872

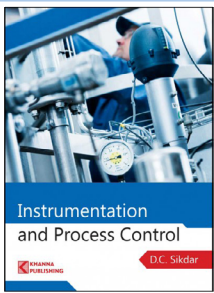
Year: 2017

Price: ₹450.00

Subject: Environmental Degradation of Materials

CONTENTS:

Chapter 1: Introduction Classification Sources and Effect of Environmental Pollution; **Chapter 2:** Terminology, Definition, Data, Units and their Conversion; **Chapter 3:** Classification of Environmental Pollution; **Chapter 4:** Environment: Its Components and Bio-Geochemical Cycles; **Chapter 5:** Atmosphere and its Constituents; **Chapter 6:** Introduction of Air Pollution; **Chapter 7:** Effects of Environmental Pollution on Plants/Trees/Vegetation



INSTRUMENTATION AND PROCESS CONTROL

DC Sikdar

ISBN: 9789382609049

Pages: 368

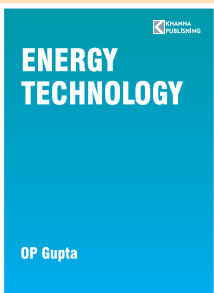
Year: 2018

Price: ₹350.00

Subject: Introduction to Instrumentation

CONTENTS:

Chapter 1: Instrumentation Fundamental; **Chapter 2:** Pressure Measurements; **Chapter 3:** Temperature Measurements; **Chapter 4:** Flow Measurements; **Chapter 5:** Level Measurements; **Chapter 6:** Laplace Transform; **Chapter 7:** Basic Concept of Process Control and First Order System; **Chapter 8:** First Order System in Series; **Chapter 9:** Second Order System; **Chapter 10:** Industrial Bio-processes; **Chapter 11:** Controllers and Final Control Elements; **Chapter 12:** Block Diagram and Transient Response of Closed Loop Control System; **Chapter 13:** Stability; **Chapter 14:** Advanced Control Techniques; **Chapter 15:** Control Structure of Unit Operations; Answer to Exercise Problems; Appendix; Index



ENERGY TECHNOLOGY

OP Gupta

ISBN: 9789386173683

Pages: 550

Year: 2018

Price: ₹399.00

Subject: Energy Materials

CONTENTS:

Chapter 1: Introduction to energy basics and energy scenario; **Chapter 2:** Fuel and Combustion Technology; **Chapter 3:** Alternate fuels for transportation; **Chapter 4:** Furnaces; **Chapter 5:** Boilers; **Chapter 6:** Waste heat recovery; **Chapter 7:** Steam-properties & efficient utilization; **Chapter 8:** Thermal Insulation; **Chapter 9:** Refractories; **Chapter 10:** Basics of electric energy uses; **Chapter 11:** Electric Transformers; **Chapter 12:** Electric motors; **Chapter 13:** Fans and blowers; **Chapter 14:** Pumps and pumping system; **Chapter 15:** Cooling towers; **Chapter 16:** Compressed air system; **Chapter 17:** Refrigeration system; **Chapter 18:** Diesel Generator(DG) set system; **Chapter 19:** Energy efficient lighting systems; **Chapter 20:** Energy efficient technologies in electrical system; **Chapter 21:** Cogeneration; **Chapter 22:** Solar Energy; **Chapter 23:** Wind Energy; **Chapter 24:** Ocean Energy; **Chapter 25:** Ocean thermal energy conversion (OTEC) systems; **Chapter 26:** Geothermal energy; **Chapter 27:** Biomass energy; **Chapter 28:** Magneto Hydro Dynamic (MHD) Generator; **Chapter 29:** Hydropower; **Chapter 30:** Energy conversion systems; **Chapter 31:** Energy store system; **Chapter 32:** Energy efficient buildings; **Chapter 33:** Waste to energy (WTE) generation; **Chapter 34:** Energy management; **Chapter 35:** Energy conservation; **Chapter 36:** Energy audit; **Chapter 37:** Global environmental concerns; **Chapter 38:** Energy and environmental impact analysis; **Chapter 39:** Short Questions and answers on Energy

LIST OF RECOMMENDED BOOKS UNDER DIFFERENT BRANCHES AND SEMESTERS

BASIC SCIENCE COURSES — FIRST YEAR

1. Chemistry-I	Engineering Chemistry	Satya Prakash	4
2. Mathematics-I	Advanced Engineering Mathematics	Chandrika Prasad, Reena Garg	4
3. Mathematics-I	Engineering Mathematics-I	Reena Garg	5

ENGINEERING SCIENCE COURSES — FIRST YEAR

4. Basic Electrical Engineering	Basic Electrical Engineering	Ritu Sahdev	5
5. Engineering Graphics and Design	Engineering Graphics and Design	Pradeep Jain, Ankita Maheshwari, A.K. Gautam	5
6. Programming for Problem Solving	Computer Concepts and Programming in C	RS Salaria	5

HUMANITIES & SOCIAL SCIENCES — FIRST YEAR

7. English	Effective Communication Skills	Kul Bhushan Kumar, RS Salaria	6
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CIVIL ENGINEERING — SEMESTER-III

8. Basic Electronics	All-in-One Electronics Simplified	AK Maini, Nakul Maini	6
9. Engineering Mechanics	Engineering Mechanics	DS Bedi, MP Poonia	6
10. Energy Science & Engineering	Energy Technology	OP Gupta	7
11. Mathematics-III	Advanced Engineering Mathematics	Chandrika Prasad, Reena Garg	7

CIVIL ENGINEERING — SEMESTER-IV

12. Mechanical Engineering	Basic Mechanical Engineering	MP Poonia, SC Sharma, TR Banga	8
13. Instrumentation & Sensor Technologies for Civil Engineering	Electronics Measurement & Instrumentation	JG Joshi	8
14. Disaster Preparedness & Planning	Disaster Management	SC Sharma	8
15. Introduction to Fluid Mechanics	Fluid Mechanics	Sadhu Singh	9
16. Introduction to Solid mechanics	Strength of Materials	DS Bedi	9

CIVIL ENGINEERING — SEMESTER-V

17. Mechanics of Materials	Structural Analysis	R Agor	9
18. Hydraulic Engineering	Fluid Machinery (Hydraulic Machines)	Sadhu Singh	9
19. Hydraulic Engineering	Fluid Mechanics and Hydraulic Machines	SS Rattan	10
20. Environmental Engineering	Environmental Engineering	MP Poonia, SC Sharma	10

21.	Environmental Engineering	Environmental Engineering	AK Jain	10
22.	Structural Engineering	Prestressed Concrete	Shrikant B. Vanakudre, Ashish A. Yaligar	10
23.	Transportational Engineering	Transportation Engineering	LR Kadiyali	11
24.	Professional Practice, Law & Ethics	Professional Ethics and Human Values	Premvir Kapoor	11
CIVIL ENGINEERING — SEMESTER-VI				
25.	Engineering Economics, Estimation and Costing	Construction Engineering & Management	SC Sharma, SV Deodhar	12
List of Some Other useful Books				
26.		Air Pollution and Control Engineering	Rajni Kant, Keshav Kant	12
27.		Civil Engineering Construction Materials	SK Sharma	12
28.		Elements of Land/ Soil Pollution	OP Gupta	13
ELECTRICAL ENGINEERING — SEMESTER-III				
29.	Analog Electronics	Analog Electronics	AK Maini	13
30.	Electric Circuit Analysis	Networks and Systems	Ashfaq Husain	13
31.	Electrical Machines-I	Electric Machines-I	GC Garg	13
32.	Engineering Mechanics	Engineering Mechanics	DS Bedi, MP Poonia	14
ELECTRICAL ENGINEERING — SEMESTER-IV				
33.	Digital Electronics	Digital Electronics	Rishabh Anand	14
34.	Mathematics-III	Advanced Engineering Mathematics	Chandrika Prasad, Reena Garg	14
35.	Electrical Machines-II	Electric Machines-II	GC Garg	15
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ELECTRICAL ENGINEERING — SEMESTER-V				
37.	Control Systems	Control System	A Ambikapathy	15
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91.	Analog Circuit	Analog Electronics	AK Maini	32
ELECTRONICS AND COMMUNICATION ENGINEERING – SEMESTER-V				
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CHEMICAL ENGINEERING – SEMESTER-IV			
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