

1st Semester Engineering Catalog

Precise content and uniform presentation as per syllabus (R2013) for the first semester.

Friendly and non-assumptive approach to the subject.

Clearly defined learning objectives at the beginning of each chapter.

Model question papers for practice.

Previous years solved question papers.

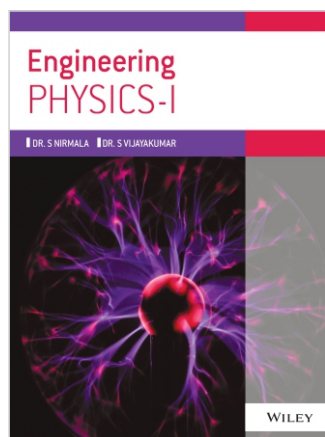
Engineering Physics 1

Key Features

- ▶ Ample illustrations, diagrams, graphs and tabulated concepts wherever required.
- ▶ Solved examples with detailed step-by-step solution to reinforce concepts.
- ▶ Important formulae for easy recap.
- ▶ End of chapter review questions and numerical problems.

Table of Contents

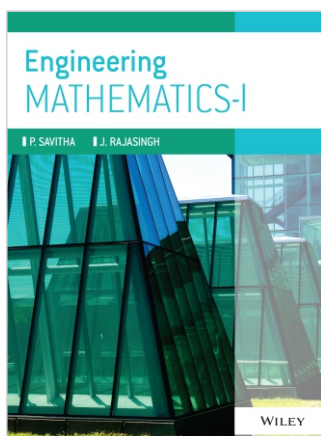
- ▶ Crystal Physics
- ▶ Properties of Matter and Thermal Physics
- ▶ Quantum Physics
- ▶ Acoustics and Ultrasonics
- ▶ Photonics and Fiber Optics
- ▶ Appendix
- ▶ Mock Test (1-3)



ISBN: 978-81-265-4913-9

Pages: 472 ₹ 349

Engineering Mathematics 1



ISBN: 978-81-265-4910-8

Pages: 268 ₹ 349

Key Features

- ▶ Well-defined syllabus map at the beginning of each book.
- ▶ Stepwise derivations of complex equations and proofs for theorems.
- ▶ Applications of concepts explained in a lucid manner.

Table of Contents

- ▶ Matrices
- ▶ Sequences and Series
- ▶ Applications of Differential Calculus
- ▶ Differential Calculus of Several Variables
- ▶ Multiple Integrals
- ▶ Model Question Papers (1-3)
- ▶ Question Paper 2014

Computer Programming



ISBN: 978-81-265-4915-3

Pages: 288 ₹ 349

Key Features

- ▶ Updated content as per latest trends in computers and IT industry
- ▶ Screenshots and diagrammatic representations spread across chapters
- ▶ Programming codes and solved examples to reinforce concepts.
- ▶ Quantitative question set with solved problems, review questions and programming assignments.
- ▶ Useful appendices on ASCII sets, standard library functions, syntactical statements, output and error prediction.

Table of Contents

- ▶ Introduction to Computers
- ▶ Problem-Solving through Algorithms, Flowcharts and Pseudocodes
- ▶ C Programming Basics
- ▶ Arrays and Strings
- ▶ Functions and Pointers
- ▶ Structures and Unions
- ▶ File Handling in C
- ▶ MS Office Application Software
- ▶ Appendices (A to E)
- ▶ Model Question Papers (1-3)
- ▶ Computer Practical Laboratory

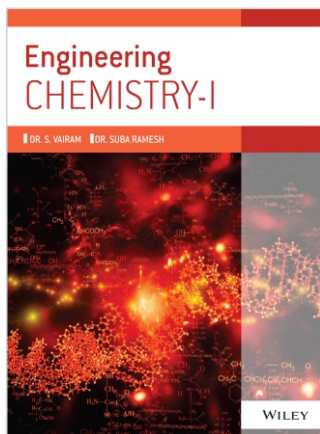
Engineering Chemistry 1

Key Features

- ▶ Laboratory manual with detailed experiments and viva-voce questions.
- ▶ Concepts presented with illustrative diagrams, flowcharts and graphs.
- ▶ Solved examples at the end of relevant sections to link concept with their applications.
- ▶ Extensive question bank comprising review questions and numerical problems.
- ▶ Important formulas and points at the end of each chapter for quick recap.

Table of Contents

- ▶ Polymer Chemistry
- ▶ Chemical Thermodynamics
- ▶ Photochemistry
- ▶ Spectroscopy
- ▶ Phase Rule and Alloys
- ▶ Nanochemistry
- ▶ Appendix: Solution to Anna University Questions
- ▶ Model Question Papers (1-3)



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Pages: 376 ₹ 349

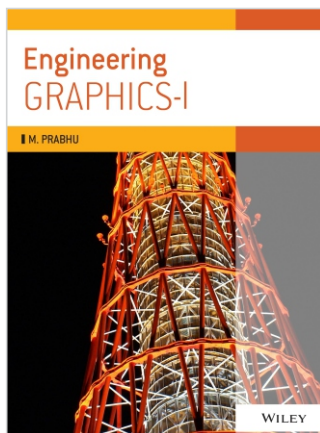
Engineering Graphics 1

Key Features

- ▶ Latest BIS codes (SP 46: 2003) used
- ▶ Chapter on AutoCAD 2013 to understand computer aided drawing.
- ▶ Tabulated concepts for easy retention and recall.
- ▶ Drawings to aid visual learning.
- ▶ Topic-wise solved examples along with steps of construction.
- ▶ End of chapter unsolved exercises to practice concepts.

Table of Contents

- ▶ Concepts and Conventions
- ▶ Plane Curves and Free-Hand Sketching
- ▶ Projection of Points, Lines and Plane Surfaces
- ▶ Projection of Solids
- ▶ Projection of Sectioned Solids and Development of Surfaces
- ▶ Isometric and Perspective Projections
- ▶ Computer Aided Drafting
- ▶ Engineering Graphics Solved 2014 Paper
- ▶ Model Question Papers (1-3)



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