

Engineering Materials By Rk Rajput

First Edition 2012; Reprints 2013, Second Revised Edition 2014 I. The Textbook entitled "Non- Conventional Energy Sources and Utilisation" has been written especially for the courses of B.E./B. Tech. for all Technical Universities of India. II. It deals exhaustively and symmetrically various topics on "Non -Conventional Renewable and Conventional Energy and Systems." III.. Salient Features of the book: • Subject matter has been prepared in lucid, direct and easily understandable style. • Simple diagrams and worked out examples have been given wherever necessary. • At the end of each chapter, Highlights, Theoretical Questions, Unsolved examples have been added to make this treatise a complete comprehensive book on the subject. In this edition, the book has been thoroughly revised and a new Section on "SHORT ANSWER QUESTIONS" has been added to make the book still more useful to the students. ELECTRICAL MATERIALS 2E is the essential resource for success in electrical program courses. Whether learning theory, wiring, fastening systems, or conductors, this textbook covers all of the materials students will encounter in each course. Each topic is clearly explained with numerous high-quality photographs illustrating each piece of material. And, because it's written in an outline format, it's an easy-to-use reference tool that comes in handy time and time again. Whether the job is industrial, commercial, or residential, ELECTRICAL MATERIALS 2E enables students to identify materials quickly and easily. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Applied Thermodynamics

Elements of Mechanical Engineering

Electrical Engineering Materials: for A.M.I.E. Sect. B

A Textbook of Material Science and Engineering, SI Units

A Textbook of Applied Mechanics

This treatise on Engineering Materials and Metallurgy contains comprehensive treatment of the matter in simple, lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way. The book comprise five chapters(excluding basic concepts)in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th.Semester Mechanical,Production,Automobile Engineering and 2nd semester Mechanical disciplines of Anna University.

Engineering MaterialsS. Chand Publishing

Power System Engineering

A Textbook of Electrical Engineering Materials

Basic Mechanical Engineering

Engineering Materials and Metallurgy

Select Proceedings of FLAME 2020

The book has been thoroughly revised.Several new articles have been added,specifically,in chapters in mortar ,Concrete ,Paint:Varnishes,Distempers and Antitermite treatment to make the book to still more comprehensive and a useful unit for the students preparing for the examination in the subject.

This book presents select proceedings of the International Conference on Future Learning Aspects of Mechanical Engineering (FLAME 2020). This book, in particular, focuses on characterizing materials using novel techniques. It covers a variety of advanced materials, viz. composites, coatings, nanomaterials, materials for fuel cells, biomaterials among others. The book also discusses advanced characterization techniques like X-ray photoelectron, UV spectroscopy, scanning electron, atomic power, transmission electron and laser confocal scanning fluorescence microscopy, and gel electrophoresis chromatography. This book gives the readers an insight into advanced material processes and characterizations with special emphasis on nanotechnology.

Degree and Diploma

A Computer Approach (SI Units Version)

Materials Science

Mechanical Engineering

Manufacturing Processes

We take an opportunity to present 'Material Science'to the students of A.M.I.E.(I)Diploma stream in particular,and other engineering students in general.he object of this book is to present the subject matter in a most concise,compact,to the point and lucis manner.While preparing the book,we have constantly kept in mind the requirements of A.M.I.E(I) students,regarding the latest trend of their examination.To make it really useful for the A.M.I.E.(I) students,the solutions of their complete examination has been written in an easy style,with full detail and illustrations.

The present book on Elements of Mechanical Engineering is meant for the engineering students of all branches at their first year level.It covers the new syllabus of panjab Technical University,Jalandhar.However,it shall be useful to students of other Universities also.The book covers the basic principles of Thermodynamics,zeroth law of Thermodynamics and the concept of temperature in the first chapter.

A Textbook of Electrical Engineering

Engineering Materials

A Textbook of Fluid Mechanics

Electrical Engineering

A Textbook of Hydraulic Machines ("fluid Mechanics and Hydraulic Machines"- Part-II)[for Engineering Students of Various Disciplines and Competitive Examinations] in SI Units

This book is highly useful for the students of B.E./B.Tech. of Punjab Technological University, Jalandhar and aslo for the other Technological Universities of India as per New Syllabus. Accordingly, few sample question are given at the end of each chapter. The chapter and topics, covered in this book, are expected to encompass the syllabus that may be needed by various colleges/ institutions in maintenance field. It also serves as a reference book for students of all other engineering disciplines in universities, colleges, institutions and also vast numbers of engineer, managers supervisors, technologists and other persons working in or associated with maintenance and upkeep of machines, equipments and systems in any shop, plant or industry.

The entire book has been thoroughly revised by adding adequate text and a large number of typical examples selected from various universities and competitive examinations question papers.Besides this, Laboratory Experiments have also been added at the end of the book to make it still more a comprehensive and complete unit in all respect.

A Textbook of Strength of Materials

Essentials of Strength of Materials [Concise Edition]

Non-Conventional Energy Sources and Utilisation

A Textbook of Electrical Technology

Basic Electrical and Electronics Engineering

A comprehensive and lucidly written book, "Strength of Materials" captures the syllabus of most major Indian Universities and competitive examinations as well. The book discusses everything under solids and its mechanics (such as providing different aspects of stresses) and pressure subject - all within aptly formed chapters. It also contains typical examples (useful for students appearing in competitive examinations in particular and other students in general), highlights, objective type questions and a large number of unsolved examples for a complete grasp of the subject. This treatise on fluid Mechanics ,contains comprehensive treatment of the subject matter in simple,lucid and direct language and envelopes a large number of solved problems properly graded,including typical examples from examination point of view.The book comprise 16 chapters and a large number of worked out examples including Typical Examples(for competitive examinations).At the end of each chapter Highlights,objective Type Questions,Theoretical Questions and Unsolved Examples have been provided to make the book a complete unit in all respects.

Strength of materials : [for engineering students of all disciplines and competitive examinations] ; in [SI units]

STRENGTH OF MATERIALS

Elements of Mechanical.Engineering (PTU)

For Students of B.E./B. Tech. Also Useful for Competitive Examinations

Engineering Thermodynamics

Intended as a textbook for " applied " or engineering thermodynamics, or as a reference for practicing engineers, the book uses extensive in-text, solved examples and computer simulations to cover the basic properties of thermodynamics. Pure substances, the first and second laws, gases, psychrometrics, the vapor, gas and refrigeration cycles, heat transfer, compressible flow, chemical reactions, fuels, and more are presented in detail and enhanced with practical applications. This version presents the material using SI Units and has ample material on SI conversion, steam tables, and a Mollier diagram. A CD-ROM, included with the print version of the text, includes a fully functional version of QuickField (widely used in industry), as well as numerous demonstrations and simulations with MATLAB, and other third party software.

This book which deals with the various topics in the subject of Strength of Materials exhaustively. It present the subject-matter in a lucid, direct and easily understandable style. A large number of worked out simple, moderate and difficult problems are arranged in a systematic manner to enable the students to grasp the subject effectively, from examination point of view. The book comprises of 18 chapters (including advance topics) covering the syllabi in the subject of "Strength of Materials" of all the Indian Universities and Competitive Examinations as well. It contains Experiments at the end of the chapters to enable the students to have an access to the practical aspects of the subject.

Maintenance Engineering (Principles, Practices and Management)

Material Science & Engineering

Electrical Materials

Comprehensive Basic Mechanical Engineering

A Textbook of Manufacturing Technology