

Refrigeration And Air Conditioning By Rk Rajput

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Engineering Thermodynamics - R. K. Rajput 2010

Mechanical Engineering

Thermal Engineering - R. K. Rajput 2010-04

Utilisation of Electrical Power - Er. R. K. Rajput 2006

Hydraulics, Fluid Mechanics and Hydraulic Machines - RS Khurmi | N Khurmi 1987-05

The favourable and warm reception, which the previous editions and reprints of this popular book has enjoyed all over India and abroad has been a matter of great satisfaction for me.

Power System Engineering - R. K. Rajput 2006

Air Conditioning and Refrigeration - Rex Miller 2006-04-20

BE AN AC AND REFRIGERATION ACE- NO MATTER WHAT YOUR PRESENT LEVEL OF SKILL! Air Conditioning and Refrigeration helps you understand today's cooling and climate control systems-so expertly that you can use it as the foundation for a career! Clear instructions-with over 800 photographs and illustrations-offer step-by-step guidance to learning the trade for students, professionals, and homeowners who want to do their own installations or repairs. LEARN WITH THE PROS Written by

experienced teachers Rex and Mark R. Miller-whose Carpentry & Construction has been a building classic for more than 25 years-Air Conditioning and Refrigeration has all the task-simplifying details you need for any project. In the popular Miller style, this complete and current guide helps: New and student technicians. Build on-the-job skills and the knowledge needed to succeed in a fast-growing, lucrative field. AC and refrigeration pros. Refine and update skills, with full information on the latest cost-cutting technologies, refrigerants, and tools. Do-it-yourselfers and homeowners. Make expert equipment and tool choices and achieve superior results, economically. Service personnel, technicians, contractors, engineers, and facility managers. Find up-to-date information on codes, standards, safety tips, and methods. Anyone who needs clear, illustrated, step-by-step instructions for efficient, cost-effective, and current methods in choosing, installing, maintaining, troubleshooting, servicing, and repairing today's AC and refrigeration equipment.

Objective Type Questions in Mechanical Engineering - Singh V.P./ Pratap Raveesh & Akhai Shalom

Useful book for GATE / IES / UPSC / PSUs and other competitive examinations. Latest objective type questions with answers. About 5000 objective type questions

Basic Mechanical Engineering - Rajput 2002

Engineering Materials and Metallurgy - RK Rajput 2006

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 comprises 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.

Internal Combustion Engines - R.K. Rajput 2005-12

Thermal Engineering - Sadhu Singh

Pearson introduces the first edition of Thermal Engineering a complete offering for the undergraduate engineering students. With lucid exposition of the fundamental concepts along with numerous worked-out examples and well-labeled detailed illustrations, this book provides a holistic understanding of the subject. The content in the book encompasses applied thermodynamics, power plant engineering, energy conversion and management, internal combustion engines, turbomachinery, gas turbines and jet propulsion and refrigeration and air-conditioning taught at different levels of the curriculum.

Thermal Engineering - R.K. Rajput 2005

STRENGTH OF MATERIALS - R. K. RAJPUT 2015

Refrigeration and Air-conditioning in S.I. Units - R. K. Rajput 1997

Heat Transfer - Yunus A. Cengel 2002-10

CD-ROM contains: the limited academic version of Engineering equation solver (EES) with homework problems.

Ice-Houses - Alireza Dehghani-Sanij 2021-05-06

Ice-Houses: Energy, Architecture and Sustainability presents new and novel technologies and approaches surrounding daily and seasonal ice storage, along with discussions on passive cooling and natural

technologies using different methods, including heat pumps. The book covers different aspects of ice-houses and cold energy production, storage and utilization. By addressing various issues connected to the technology and structure of traditional ice-houses and natural and artificial ice making, this reference looks at new technological approaches for the reduction of electrical energy consumption in buildings. Users will find this to be a comprehensive overview of ice house storage that includes worked examples and global case studies. It is an essential resource for researchers and engineers looking to advance their understanding of this method of thermal storage. Includes worked examples which calculate and determine the amounts of different parameters to help better understand the problem-solving process. Provides a comprehensive literature review on the history and architecture of ice-houses, along with different ice production and storage methods. Contains recent developments related to cold energy production and storage through ice making to reduce electricity demand.

A Textbook of Heat and Mass Transfer [Concise Edition] - RK Rajput

□ *A Textbook of Heat and Mass Transfer* □ is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC. Divided into 4 parts, the book delves into the subject beginning from Basic Concepts and goes on to discuss Heat Transfer (by Convection and Radiation) and Mass Transfer. The book also becomes useful as a question bank for students as it offers university as well as entrance exam questions with solutions.

Refrigeration And Air-Conditioning - R. K. Rajput 2009

A Text Book of Automobile Engineering - R. K. Rajput 2008

Power Plant Engineering - A. K. Raja 2006

This Text-Cum-Reference Book Has Been Written To Meet The Manifold Requirement And Achievement Of The Students And Researchers. The Objective Of This Book Is To Discuss, Analyse And Design The Various Power Plant Systems Serving The Society At Present And Will Serve In

Coming Decades India In Particular And The World In General. The Issues Related To Energy With Stress And Environment Up To Some Extent And Finally Find Ways To Implement The Outcome.Salient Features# Utilization Of Non-Conventional Energy Resources# Includes Green House Effect# Gives Latest Information S In Power Plant Engineering# Include Large Number Of Problems Of Both Indian And Foreign Universities# Rich Contents, Lucid Manner
Elements of Mechanical Engineering - R.K. Rajput 2005

Agro-Product Processing Technology - B K Bala 2020-04-02
Global food security is a challenging issue. Meeting the food and nutritional requirements of the world has become an issue for national policymakers and is of public concern. There is a need to enhance agricultural production, as well as, to reduce postharvest loss, improve the quality of processed products, and add value to products to make more quality food available. Agro-product processing technology plays a major role to reduce post-harvest losses, improve the quality of processed products, and add value to the products. It also generates employment and ultimately contributes to food security. Features: Covers a wide spectrum of agro-product processing technology Explains the principles and practices of agro-product processing technology with many worked examples to quickly teach the basic principles through examples Contains examples from different operations on current problems to show the wide applications of the principles of agro-product technology Includes process control and emerging technologies in agro-product processing such as energy and exergy analysis, neural network modeling, and CFD modeling This book deals with physical and thermal properties, cleaning and sorting, drying and storage, parboiling and milling, by-product utilization, heating and cooling, refrigerated cooling, and cold storage. The most unique feature of this book is the machine vision for grading fruits, process control and materials handling, and emerging technologies such as neural network, finite element, CFD, and genetic algorithm.
Engineering Practical Book – Vol-1 - Farrukh Hafeez 2016-04-24
The importance of practical training in engineering education, as

emphasized by the AICTE, has motivated the authors to compile the work of various engineering laboratories into a systematic Practical laboratory book. The manual is written in a simple language and lucid style. It is hoped that students will understand the manual without any difficulty and perform the experiments.

Applied Thermodynamics - R. K. Rajput 2009-12

Refrigeration And Air-Conditioning (Polytechnic) - R. K. Rajput 2009-01-01

Engineering Materials - RK Rajput 2008

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.

Textbook of Refrigeration and Air Conditioning - RS Khurmi | JK Gupta 2008

The Multicolor Edition Has Been thoroughly revised and brought up-to-date. Multicolor pictures have been added to enhance the content value and to give the students and idea of what he will be dealing in reality, and to bridge the gap between theory and Practice.

A Textbook of Refrigeration and Air-conditioning - R.K. Rajput 2012

A Textbook of Electrical Technology - R. K. Rajput 2004

Electrical Engineering - R.K. Rajput 2007

Mechanical Engineering - R.K. Rajput 2006-12

Basic Refrigeration and Air Conditioning - P. N. Ananthanarayanan 2005

Principles of Turbomachinery - R. K. Turton 2012-12-06

This text outlines the fluid and thermodynamic principles that apply to all classes of turbomachines, and the material has been presented in a unified way. The approach has been used with successive groups of final year mechanical engineering students, who have helped with the development of the ideas outlined. As with these students, the reader is assumed to have a basic understanding of fluid mechanics and thermodynamics. However, the early chapters combine the relevant material with some new concepts, and provide basic reading references. Two related objectives have defined the scope of the treatment. The first is to provide a general treatment of the common forms of turbo machine, covering basic fluid dynamics and thermodynamics of flow through passages and over surfaces, with a brief derivation of the fundamental governing equations. The second objective is to apply this material to the various machines in enough detail to allow the major design and performance factors to be appreciated. Both objectives have been met by grouping the machines by flow path rather than by application, thus allowing an appreciation of points of similarity or difference in approach. No attempt has been made to cover detailed points of design or stressing, though the cited references and the body of information from which they have been taken give this sort of information. The first four chapters introduce the fundamental relations, and the succeeding chapters deal with applications to the various flow paths.

Heat and Mass Transfer : A Textbook for the Students Preparing for B.E., B.Tech., B.Sc. Engg., AMIE, UPSC (Engg. Services) and GATE Examinations - R. K. Rajput 2007

The entire book has been thoroughly revised and a large number of solved examples under heading Additional/Typical Worked Examples (Questions selected from various Universities and Competitive Examinations) have been added at the end of the book.

Refrigeration and Air Conditioning - Manohar Prasad 2011-03

The Revised Edition Of A Widely Used Book Contains Several New Topics To Make The Coverage More Comprehensive And Contemporary. * Highlights The Ozone Hole Problem And Related Steps To Modify The Refrigeration Systems. * The Discussion Of Vapour

Compression/Absorption Systems Totally Recast With A Special Emphasis On Eco-Refrigerants. * Application Oriented Approach Followed Throughout The Book And Energy Efficiency emphasised. * Several Real Life Problems Included To Illustrate The Practical Viability Of The Systems Discussed. * Additional Examples, Diagrams And Problems Included In Each Chapter For An Easier Grasp Of The Subject. With All These Features, This Book Would Serve As A Comprehensive Text For Undergraduate Mechanical Engineering Students. Postgraduate Students And Practising Engineers Would Also Find It Very Useful.

REFRIGERATION TABLES WITH CHART - R S KHURMI

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

Basic Electrical and Electronics Engineering - R.K. Rajput 2007

A Textbook of Engineering Thermodynamics - R. K. Rajput 2010-07

Refrigeration and Air Conditioning - Ramesh Chandra Arora 2010-01-30

The text begins by reviewing, in a simple and precise manner, the physical principles of three pillars of Refrigeration and Air Conditioning, namely thermodynamics, heat transfer, and fluid mechanics. Following an overview of the history of refrigeration, subsequent chapters provide exhaustive coverage of the principles, applications and design of several types of refrigeration systems and their associated components such as compressors, condensers, evaporators, and expansion devices.

Refrigerants too, are studied elaboratively in an exclusive chapter. The second part of the book, beginning with the historical background of air conditioning in Chapter 15, discusses the subject of psychrometrics being at the heart of understanding the design and implementation of air conditioning processes and systems, which are subsequently dealt with in Chapters 16 to 23. It also explains the design practices followed for cooling and heating load calculations. Each chapter contains several worked-out examples that clarify the material discussed and illustrate the

use of basic principles in engineering applications. Each chapter also ends with a set of few review questions to serve as revision of the material learned.

HVAC Licensing Study Guide, Second Edition - Rex Miller 2012-10-08

Ace the Major HVAC Licensing Exams! Featuring more than 800 practice questions and answers, HVAC Licensing Study Guide, Second Edition provides everything you need to prepare for and pass the major HVAC licensing exams on the first try. This practical, up-to-date resource is filled with essential calculations, troubleshooting tips for the job site, hundreds of detailed illustrations, and information on current codes and standards. Thoroughly revised to cover the latest equipment and techniques, this career-building guide helps you: Master the material most likely to appear

on the ARI, NATE, ICE, RSES, and HVAC licensing exams Improve your test-taking ability with 800+ true-false and multiple-choice questions and answers Learn about the latest refrigerant usage and regulations Keep up with the most recent codes and standards Acquire the confidence, skills, and knowledge needed to pass your exam Covers key HVAC topics, including: Heat sources Heating systems Boilers, burners, and burner systems Piping systems Ductwork sizing Refrigerants Cooling and distribution systems Refrigeration equipment and processes Filters and air flow Maintenance, servicing, and safety Humidification, dehumidification, and psychrometrics EPA-refrigerant reclaimers Heating circuits Safety on the job Trade associations and codes