

Thermal Engineering Rk Rajput

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Thermal Engineering R. K. Rajput 2010-04

Thermal Engineering R.K. Rajput 2009-05-01 This Book On Thermal Engineering (Printed In Two Colours) Has Been Written For The Students Preparing The Subject For B.E. Examinations Of Various Indian Universities, A.M.I.E. And Competitive Examinations (E.G., U.P.S.C., Gate Etc.). The Book Contains 29 Chapters In All, And Deals The Subject Matter Exhaustively.Salient Features: The Presentation Of The Subject Matter Is Very Systematic And The Language Of The Text Is Lucid, Direct And Easy To Understand. Each Chapter Of Book Is Saturated With Much Needed Text Supported By Neat And Self-Explanatory Diagrams To Make The Subject Self-Speaking To A Great Extent. A Large Number Of Solved Examples, Questions Selected From Various Universities, U.P.S.C., Gate Etc., Examination Question Papers, Properly Graded, Have Been Added In Various Chapters To Enable The Students To Attempt Different Types Of Questions In The Examination Without Any Difficulty. At The End Of Each Chapter Highlights, Objective Type Questions, Theoretical Questions And Unsolved Examples Have Been Added To Make The Book A Complete Unit In All Respects.

Thermal Engineering Mahesh M. Rathore 2010

Thermal Engineering in Power Systems Ryoichi Amano 2008 Research and development in thermal engineering for power systems are of significant importance to many scientists who are engaged in research and design work in power-related industries and laboratories. This book focuses on variety of research areas including Components of Compressor and Turbines that are used for both electric power systems and aero engines, Fuel Cells, Energy Conversion, and Energy Reuse and Recycling Systems. To be competitive in today's market, power systems need to reduce the operating costs, increase capacity factors and deal with many other tough issues. Heat Transfer and fluid flow issues are of great significance and it is likely that a state-of-the-art edited book with reference to power systems will make a contribution for design and R&D engineers and the development towards sustainable energy systems.

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.

A Textbook of Heat and Mass Transfer RK Rajput [Hear and Mass Transfer] is a comprehensive textbook for the students of Mechanical Engineering and a must-buy for the aspirants of different entrance examinations including GATE and UPSC. Divided into 5 parts, the book delves into the subject beginning from Basic Concepts and goes on to discuss Heat Transfer (by Convection and Radiation) and Mass Transfer. The book also becomes useful as a question bank for students as it offers university as well as entrance exam questions with solutions.

Applied Thermodynamics R. K. Rajput 2009-12

Advanced Thermodynamics Scott Post 2017-12-06 Designed for the course in thermodynamics or for use as a reference for practicing engineers, this book includes the theoretical underpinnings and derivations necessary for advanced study. The book focuses on the mechanical and power engineering applications of thermodynamics. Mathematics is utilized as required, serving as a tool to formulate the concepts, solve problems and applications. Furthermore, numerous examples are provided to demonstrate the applications of thermodynamics for engineering problems and to enhance the use of concepts. It also includes statistical thermodynamic examples when relevant and pertinent. These examples are shown either conceptually or numerically. Features: +Numerous examples are provided to demonstrate the applications of thermodynamics for engineering problems +Includes a comprehensive and generalist view of thermodynamics, along with historical developments in the field +Presents mathematical tools such as the Legendre transformation, the Euler chain rule, the Jacobian methodology and applications for thermodynamic derivatives.

A textbook of power plant engineering R. K. Rajput 2008

Textbook of Thermal Engineering J. K. Gupta 1997

Internal Combustion Engines R.K. Rajput 2005-12

Electrical Engineering Materials Er. R.K. Rajput 2002

A Textbook of Manufacturing Technology R. K. Rajput 2007

Electrical Engineering R.K. Rajput 2007

Basic Electrical Engineering R. K. Rajput 2009

Basic Electrical Engineering R. K. Rajput 2009-02

Thermal Engineering R.K. Rajput 2005

Irrigation Engineering (Including Hydrology) Sharma R.K. & Sharma T.K. 2008 The First Edition of this treatise on Irrigation Engineering duly subsidised by national Book trust,Government of India,published in 1984.was highly acclaimed by the engineering teachers and taughts and its revised edition appeared in 1990.The dynamism inherent in the subject necessitated drastic changes in the text,prompted by theoverwhelming response of irrigation and agriculture engineering students and practising engineers in the country and abroad duly patronised by the publications,Shri Ravindra Kumar Gupta,Managing Director,S.Chand & Company Ltd.,New Delhi

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.

Non-Conventional Energy Sources and Utilisation RK Rajput 2012 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.

Engineering Thermodynamics R. K. Rajput 2010 Mechanical Engineering

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 bookhas 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.

Electronic Measurements and Instrumentation RK Rajput 2009 In this edition, the book has been completely updated by adding new topics in various chapters. Besides this, two new chapters namely : "Microprocessors and Microcontrollers" (Chapter-13) and "Universities Questions (Latest) with Solutions" (Chapter-14) have been added to make the book still more useful to the readers.

Mechanical Engineering R.K. Rajput 2006-12

Thermal Science and Engineering R.K. Rajput 2004

Elements of Mechanical Engineering R.K. Rajput 2005

Thermal and Hydraulic Machines Rishi Singal 2011-12 Thermal and Hydraulic Machines has been introduced as a core subject for Electrical, Electronics, Mechanical and students of other branches of engineering by various technical universities. The present book has been designed to meet the requirements of teachers and students for the above important subject. The book has been divided into following five units: 1. Thermodynamics and Vapour Power Cycles 2. Steam Turbine and Gas Turbine 3. Compressors and I.C. Engines 4. Hydraulics and Hydraulic Turbines 5. Hydraulic Pumps. The book has been written in simple language duly supplemented by solved numerical problems, diagrams and mathematical analysis. Suggestions and criticism for the improvement of the book are welcome with gratitude.

Power System Engineering R. K. Rajput 2006

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 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.

A Textbook of Engineering Thermodynamics R.K. Rajput 2005-12

Applied Thermodynamics Onkar Singh 2006 This Book Presents A Systematic Account Of The Concepts And Principles Of Engineering Thermodynamics And The Concepts And Practices Of Thermal Engineering. The Book Covers Basic Course Of Engineering Thermodynamics And Also Deals With The Advanced Course Of Thermal Engineering. This Book Will Meet The Requirements Of The Undergraduate Students Of Engineering And Technology Undertaking The Compulsory Course Of Engineering Thermodynamics. The Subject Matter Of Book Is Sufficient For The Students Of Mechanical Engineering/Industrial-Production Engineering, Aeronautical Engineering, Undertaking Advanced Courses In The Name Of Thermal Engineering/Heat Engineering/ Applied Thermodynamics Etc. Presentation Of The Subject Matter Has Been Made In Very Simple And Understandable Language. The Book Is Written In Si System Of Units And Each Chapter Has Been Provided With Sufficient Number Of Typical Numerical Problems Of Solved And Unsolved Questions With Answers.

CRC Handbook of Thermal Engineering Raj P. Chhabra 2017-11-08 The CRC Handbook of Thermal Engineering, Second Edition, is a fully updated version of this respected reference work, with chapters written by leading experts. Its first part covers basic concepts, equations and principles of thermodynamics, heat transfer, and fluid dynamics. Following that is detailed coverage of major application areas, such as bioengineering, energy-efficient building systems, traditional and renewable energy sources, food processing, and aerospace heat transfer topics. The latest numerical and computational tools, microscale and nanoscale engineering, and new complex-structured materials are also presented. Designed for easy reference, this new edition is a must-have volume for engineers and researchers around the globe.

Fluid Mechanics & Hydraulic Machines R. K. Rajput 2008 The entire book has been throughly 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 respects.

Material Science & Engineering R. K. Rajput 2009

STRENGTH OF MATERIALS R. K. RAJPUT 2015

A Textbook of Applied Mechanics R. K. RAJPUT 2015

Engineering Materials RK Rajput 2008 The book has been throughly revised.Several new articles have been added,specifically,in chapters in mortar ,Concrete ,Paint:Varnishes,Distempers and Antitermite treatmant to make the book to still more comprehensive and a useful unit for the students preparing for the examination in the subject.

Basic Mechanical Engineering Rajput 2002

A Textbook of Fluid Mechanics R. K. Rajput 2008 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.All chapters of the book are saturated with much needed text supported by simple and self-explanatory figures and a large number of worked examples including Typical Examples(for competitive examinations).At the end of each chapter Highlights,objective Type Questions,Theoretical Questions and Unsolved Examples have been added to make the book a comprehensive and a complete unit in all respects.

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