R K Rajput Electrical Objective

A Textbook of Electrical EngineeringUtilisation of Electrical PowerElectrical EngineeringBasic Electrical and Electronics EngineeringComprehensive Basic Electrical EngineeringA Textbook of Electrical Engineering MaterialsElectrical Engineering MaterialsWorkshop PracticeBasic Electrical EngineeringBasic Electrical EngineeringA Textbook of Electrical TechnologyA Textbook of Engineering ThermodynamicsA Textbook of Heat and Mass Transfer [Concise Edition]Electrical Measurements and Measuring InstrumentsMechanical Design and Manufacturing of Electric MotorsComprehensive Basic Mechanical EngineeringRobotics And Industrial AutomationA Textbook Of Electrical MachinesEngineering ThermodynamicsEngineering Thermodynamics: A Computer Approach (SI Units Version) R. K. Rajput Er. R. K. Rajput R. K. Ra

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this book is designed based on revised syllabus of jntu hyderabad aicte model curriculum for under graduate b tech be students of all branches those who study basic electrical engineering as one of the subject in their curriculum the primary goal of this book is to establish a firm understanding of the basic laws of electric circuits network theorems resonance three phase circuits transformers electrical machines and electrical installation

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

this treatise on the subject electrical measurements and measuring instruments contains comprehensive treament of the subject matter in simple lucid and direct language i covers the

syllabi of the various indian universities in this subject exhausitively

this second edition of mechanical design and manufacturing of electric motors provides in depth knowledge of design methods and developments of electric motors in the context of rapid increases in energy consumption and emphasis on environmental protection alongside new technology in 3d printing robots nanotechnology and digital techniques and the challenges these pose to the motor industry from motor classification and design of motor components to model setup and material and bearing selections this comprehensive text covers the fundamentals of practical design and design related issues modeling and simulation engineering analysis manufacturing processes testing procedures and performance characteristics of electric motors today this second edition adds three brand new chapters on motor breaks motor sensors and power transmission and gearing systems using a practical approach with a focus on innovative design and applications the book contains a thorough discussion of major components and subsystems such as rotors shafts stators and frames alongside various cooling techniques including natural and forced air direct and indirect liquid phase change and other newly emerged innovative cooling methods it also analyzes the calculation of motor power losses motor vibration and acoustic noise issues and presents engineering analysis methods and case study results while suitable for motor engineers designers manufacturers and end users the book will also be of interest to maintenance personnel undergraduate and graduate students and academic researchers

this is a single volume book on electrical machines that teaches the subject precisely and yet with amazing clarity the extent has been kept in control so that the entire subject can be covered by students within the limited time of the semesters thus they will not have to consult multiple books anymore the discussions of concepts include the modern trends used in industry like efficient transformers efficient induction motors dc drives and the problems related to them

mechanical engineering

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

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