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Principles of Power System (LPSPE) S. Chand Publishing
For engineering and scientific endeavors to progress there must be generally accepted ethical guidelines in place to which engineers and scientists must adhere. This book explores the various scientific and engineering disciplines, examining the potential for unethical behavior by professionals. Documented examples are presented to show where unethical behavior could have been halted before it became an issue. The authors also look to the future to see what is in store for professionals in the scientific and engineering disciplines and how the potential for unethical behavior can be negated.
Electrical Technology John Wiley & Sons
Developed to meet the syllabus of undergraduate courses in electrical engineering, with complicated concepts explained in a lucid manner with the help of necessary diagrams and waveforms. Comprehensive coverage explains the concepts of application-level topics like electric traction and power electronics. Review questions have been added at the end of each chapter for better understanding of the subject apart from numerous numerical and design problems.
Ethics in Science and Engineering S. Chand Publishing
Worksheets are included to act as observation book for taking readings. Tips on practical application of the tools and instruments are given Adages found in each page are unique for

motivation and personality development of the students Illustrations of the tools used in various sections of workshop are provided

Basic Electrical Engineering Pearson Education India

The second edition of Power System Analysis serves as a basic text for undergraduate students of electrical engineering. It provides a thorough understanding of the basic principles and techniques of power system analysis as well as their application to real-world problems. Beginning with the basic concepts, the book gives an exhaustive coverage of transmission line parameters, simulation of power system elements, steady-state performance and travelling wave phenomena on transmission lines, symmetrical and unsymmetrical fault analyses, power flow studies, power system control, and stability analysis. The book extensively illustrates the use of MATLAB in the analysis of power systems. Owing to its lucid style and presentation of advanced topics, the book will be useful to postgraduate students as also to practising engineers.

ELECTROMAGNETISM (Physics) Pearson Education

This book is written so that it serves as a text book for B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- Magnetic field and Magnetic circuit Electromagnetic force and torque D.C. Machines D.C. Machines-Motoring and Generation SALIENT FEATURES:- Self-contained, self-explantary and simple to follow text. Numerous worked out examples. Well Explained theory parts with illustrations. Exercises, objective type question with answers at the end of each chapter.

Basic Electrical Engineering Oxford University Press, USA

Basic Electrical Engineering: For BPUT is designed as per the syllabus requirements of the first-year core paper Basic Electrical Engineering, offered to undergraduate students of engineering in the Biju Patnaik University of Technology. With its simple language and clear-cut style of explanation, this book presents an intelligent understanding of the basics of electrical engineering.

Electrical Engineering KHANNA PUBLISHING HOUSE

"This book focuses on a broad spectrum of electrical engineering materials at the undergraduate and postgraduate levels, for which a co-ordination has been made according to the syllabus of Indian universities in the field of materials science. It deals with fundamentals of the subject matter in a comprehensive way with emphasis on different devices in the field of materials science. The text includes new developments in the subject elaborating electronic devices and their applications. The subject is particularly covered and explained lucidly in areas like magnetic materials, semiconductors, semiconductor devices, superconductors and insulating materials."--Jacket.

DC Machines and Transformers (For GTU) New Age International

Purchase the e-book on 'Electromagnetism' (Physics) tailored for the B.Sc 2nd Semester curriculum at the University of Rajasthan, Jaipur, compliant with the National Education Policy (NEP) of 2020, authored by Thakur Publications.

Engineering Problems Thakur Publication Private Limited

Basic Electrical Engineering Has Been Written As A Core Course For All Engineering Students Viz. Electronics And Communication Engineering, Computer Engineering, Civil Engineering, Mechanical Engineering Etc. Since This Course Will Normally Be Offered At The First Year Level Of Engineering, The Author Has Made Modest Effort To Give In A Concise Form. Various Features Of Basic Electrical Engineering Using Simple Language And Through Solved Examples, Avoiding The Rigorous Of Mathematics.Salient Features * Steady State Analysis Of A.C. Circuits Explained * Network Theorems Explained

Using Typical Examples * Analysis Of 3-Phase Circuits And Measurement Of Power In These Circuits Explained * Measuring Instruments Like Ammeter, Voltmeter, Wattmeter And Energy Meter Described * Various Electrical Machines, Like Transformers, D.C. Machines, Single Phase And Three Phase Induction Motors, Synchronous Machines, Servomotors Have Been Described * A Brief View Of Power System Including Conventional And Nonconventional Services Of Electrical Energy Is Given * Numerous Solved Examples And Practice Problems For Thorough Grasp Of The Subject Presented * A Large Number Of Multiple-Choice Questions With Answers Given

Electrical Engineering (as Per Uptu Syllabus) Laxmi Publications

The educational system of Australia is described, and placement recommendations concerning Australian students who want to study in the United States are presented. After describing preschool and primary education, secondary education in the following provinces/territories is considered: New South Wales, Victoria, Queensland, South Australia, Western Australia, Tasmania, the Australian Capital Territory, and the Northern Territory. The universities and the colleges of advanced education (CAE) are compared, and information is provided on admission, degrees and diplomas, courses, grades, educational quality, and documents and certificates. Degrees, grading, quality, and documents in technical and further education are also considered, along with teaching qualifications and teaching documents and certificates. Preparation and qualifications for the following professional programs are addressed: nursing education, music and speech/drama education, theological education, and professional associations. Appendices include: a profile of Australian postsecondary institutions, New South Wales secondary mathematics and sciences syllabi; and comparative data on university versus CAE Bachelor of Engineering Courses. (SW)

Introduction to Probability, Statistics, and Random Processes Vikas Publishing House

Electric Circuits and Networks is designed to serve as a textbook for a two-semester undergraduate course on basic electric circuits and networks. The book builds on the subject from its basic principles. Spread over seventeen chapters, the book can be taught with varying degree of emphasis on its six subsections based on the course requirement. Written in a student-friendly manner, its narrative style places adequate stress on the principles that govern the behaviour of electric circuits and networks.

Electrical Machines-I Pearson Education India

Enlarged and revised chapter 1 on introduction to Power System Analysis New chapters on Voltage Stability Underground Cables Insulators for Overhead Lines Mechanical Design of Transmission Lines Neutral Grounding Corona High Voltage DC (HVDC) Transmisson.

Workshop Practice Manual Pearson Education India

Basic Electrical and Electronics Engineering Volume I is designed as per the syllabus requirements of the first year core paper Basic Electrical and Electronics Engineering I, offered to the first year first semester, undergraduate students of engineering in the West Bengal University of Technology (WBUT). With its simple language and clear-cut style of explanation, this book

presents an intelligent understanding of the basics of electrical and electronics.

Electrical Engineering Materials, 1/e S. Chand Publishing

Electrical Drawing Is An Important Engineering Subject Taught To Electrical/Electronics Engineering Students Both At Degree And Diploma Level Institutions. The Course Content Generally Covers Assembly And Working Drawings Of Electrical Machines And Machine Parts, Drawing Of Electrical Circuits, Instruments And Components. The Contents Of This Book Have Been Prepared By Consulting The Syllabus Of Various State Boards Of Technical Education As Also Of Different Engineering Colleges. This Book Has Nine Chapters. Chapter I Provides Latest Informations About Drawing Sheets, Lettering, Dimensioning, Method Of Projections, Sectional Views Including Assembly And Working Drawings Of Simple Electrical And Mechanical Items With Plenty Of Solved Examples.The Second Chapter Deals With Drawing Of Commonly Used Electrical Instruments, Their Method Of Connection And Of Instrument Parts. Chapter Iii Deals With Mechanical Drawings Of Electrical Machines And Machine Parts. The Details Include Drawings Of D.C. Machines, Induction Machines, Synchronous Machines, Fractional Kw Motors And Transformers. Chapter Iv Includes Panel Board Wiring Diagrams. The Fifth Chapter Is Devoted To Winding Diagrams Of D.C. And A.C. Machines. Chapter Vi And Vii Include Drawings Of Transmission And Distribution Line Accessories, Supports, Etc. As Also Plant And Substation Layout Diagrams.Miscellaneous Drawing Like Drawings Of Earth Electrodes, Circuit Breakers, Lighting Arresters, Etc. Have Been Dealt With In Chapter Viii. Graded Exercises With Feedback On Reading And Interpreting Engineering Drawings Covering The Entire Course Content Have Been Included In Ix Providing Ample Opportunities To The Learner To Practice On Such Graded Exercises And Receive Feedback. Chapter X Includes Drawings Of Electronic Circuits And Components. This Book, Unlike Some Of The Available Books In The Market, Contains A Large Number Of Solved Examples Which Would Help Students Understand The Subject Better. Explanations Are Very Simple And Easy To Understand.Reference To Norms And Standards Have Been Made At Appropriate Places. Students Will Find This Book Useful Not Only For Passing Examinations But Even More In Reading And Interpreting Engineering Drawings During Their Professional Career.

A Text-book of Electrical Technology in S.I. System of Units Oxford University Press, USA

“Principles of Power System” is a comprehensive textbook for students of engineering. It also caters to the requirements of those readers who wish to increase their knowledge and gain a sound grounding in power systems as a whole. Twenty six chapters succinctly sum up the subject with topics such as Supply and Distribution Systems, Fault Calculations (Symmetrical and Unsymmetrical), Voltage Control, Fuses and Circuit Breakers giving the learner an understanding of the subject and an orientation to apply the knowledge gained in real world problem solving. A book which has seen, foreseen and incorporated changes in the subject for more than 30 years, it continues to be one of the most sought after texts by the students.

Basic Electrical Engineering New Age International

The book covers basic concepts such as random experiments, probability axioms, conditional probability, and counting methods, single and multiple random variables (discrete, continuous, and mixed), as well as moment-generating functions, characteristic functions, random vectors, and inequalities; limit theorems and convergence; introduction to Bayesian and classical statistics; random processes including processing of random signals, Poisson processes, discrete-time and continuous-

time Markov chains, and Brownian motion; simulation using MATLAB and R.

A Textbook of Electrical Engineering

The aim of this book is to provide a consolidated text for the first year B.E. Computer Science and Engineering students and B.Tech Information Technology students of Anna University. The syllabus has been thoroughly revised for the non-semester yearly pattern by the University. The book, made up of five chapters, systematically covers the five units of the syllabus. It begins with a detailed discussion on the fundamentals of electric circuits. DC circuits, AC circuits, 3-phase circuits, resonance and the network theorems. Lecture-type presentation of the rudiments of the fundamentals in conjunction with hundreds of solved examples is the strength of this book. Magnetic circuits and various magnetic elements and their properties, with number of illustrations are presented. DC machines and transformers are further dealt with. Equivalent circuits of machines supported with the respective photographs will ease the reader to understand the concepts of machines much better. Synchronous machines and asynchronous machines and fundamentals of control systems with various practical examples and relevant worked illustrations conclude this book. A large number of numerical illustrations and diagrammatic representations make this book valuable for students and teachers.

Principles of Electrical Machines

MATLAB is one of the most widely used tools in the field of engineering today. Its broad appeal lies in its interactive environment with hundreds of built-in functions. This book is designed to get you up and running in just a few hours -- Provided by publisher.

Proceedings of the San Diego Symposium for Biomedical Engineering

B.Sc. Practical Physics

Getting Started with MATLAB

For non-electrical engineering majors taking the introduction to electrical engineering course. Electrical Engineering: Concepts and Applications is the result of a multi-disciplinary effort at Michigan Technological University to create a new curriculum that is attractive, motivational, and relevant to students by creating many application-based problems; and provide the optimal level of both range and depth of coverage of EE topics in a curriculum package.