Tata Mcgraw Hill Electrical Engineering Books

Basic Electrical Engg - Revised EdBasic Electrical Engineering (Be 104)BEEE - RGPV 2011Residential, Commercial and Industrial Electrical Systems - VOL. I : Equipment & SelectionBasic Electrical Engineering, 4eElectrical Engineering MaterialsBasic Electrical EngineeringReactive Power ManagementBasic Electrical and Electronics Engineering, 1ePower System EngineeringELECTRIC CIRCUITSBasic Electrical Engg: Prin & ApplElectrical Power System DesignBasic Elec Engg,2EBASIC ELECTRICAL ENGINEERINGCircuit TheoryNetwork Analysis & SynthBasic Electrical EngineeringBasic Electrical EngineeringResidential, Commercial and Industrial Electrical Systems: Equipment and selectionTHEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERINGBasic Electrical Electronics and Computer EngineeringBasic Electrical and Electronics EngineeringIntroduction to Electrical EngineeringMicrowave EngineeringHigh Voltage EngineeringPower ElectronicsBAS ELEC & ELECT ENGG - AUBasic Elec & Elect EnggBasic Electrical EngineeringElectrical Engineering MaterialsFundamentals of Electrical EngineeringBasic Electrical Engg 3EElectronic InstrumentationBasic Electrical EngineeringElectric Power DistributionPower Plant EngineeringBASIC ELEC ENGG - PU 2011Electric MachinesElectrical Machines

Basic Electrical Engg - Revised Ed

Basic Electrical Engineering (Be 104)

Reactive Power Management brings into focus this subject which has assumed importance due to high transmission and distribution losses. Divided into four parts, the book covers the subject in its entirety and enables engineers understand the why, how and what to expect of the problems associated with reactive power.Highlights:Part I: basic concepts and related topics like quality of supply, cost of reactive power, poser tariffs and market forces are included..Part II: Sources which cause, and equipment and transmission lines which suppress, reactive are covered..Part III: Latest developments in the transmission networks, particularly FACTS are discussed. .Part IV: Reactive and energy management of residential as well as large industrial consumers like steel, cement, petroleum, paper, mining, textiles, etc. are covered. Richly illustrated with examples, the book will be useful to power utilities, electricity boards and diverse industries, including power, petroleum, cement, glass, coal, etc.

BEEE - RGPV 2011

Designed for the first year engineering students of all branches in RGPV, this text offers detailed coverage of Basic

Electrical and Electronics Engineering course. The emphasis is given on clarification of basic concepts, principles and techniques. Enriched with lucid language, it covers the complete syllabus of RGPV. Numerous solved examples and practice questions are given in the text for better understanding of the concepts.

Residential, Commercial and Industrial Electrical Systems - VOL. I : Equipment & Selection

Basic Electrical Engineering, 4e

Electrical Engineering Materials

With the advancement of technology in intergrated circuits, instruments are becoming increasingly compact and accurate. This revision covers in detail the digital and microprocessor-based instruments. The systematic discussion of their working principle, operation, capabililties, and limitions will facilitate easy understanding of the instruments as well as guide the user select the right instrument for an application.

Basic Electrical Engineering

Reactive Power Management

Basic Electrical Engineering is a core course for the first-year students of all engineering disciplines across the country. This course enables them to apply the basic concepts of Electrical engineering for multi-disciplinary tasks, and lays the foundation for higher level courses in electrical and electronics engineering degrees. An established hallmark, this revised edition of the book continues to dwell on all the key concepts and applications in the field and covers the subject in its entirety. Curated with great care, it provides an unmatched exposure to the fundamentals of Electricity, Network theory, Electric machines and Measuring instruments. Rich pool of problems and appendices enhance the utility of the book and make it a lasting resource for students as well as instructors.

Basic Electrical and Electronics Engineering, 1e

Power System Engineering

ELECTRIC CIRCUITS

This hallmark text on Power System Engineering has been revised extensively to bring in several new topics and update the contents with the latest technological developments. The book now covers the complete undergraduate syllabus of Power System Engineering course. All topics are supported with examples employing two/three/four bus structures.

Basic Electrical Engg: Prin & Appl

Electrical Power System Design

Basic Elec Engg,2E

Suitable for undergraduate and graduate students, this book discusses constants of overhead transmission lines and their performance, and gives a treatment of design of electrical and mechanical transmission lines. This book includes chapters on power system operation and analysis, which are used to illustrate the problems in designing.

BASIC ELECTRICAL ENGINEERING

The Electricity Sector is currently experiencing many changes -impact of high-end technologies, privatization of the power utilities, rising tariffs, power shortages, etc. The sector is reinventing itself to overcome these challenges and is anticipating growth with the institution of the electricity reforms and the entry of private companies. Written by an highly acknowledged practitioner, Electric Power Distribution, dwells on these and covers the subject in its entirety. With this fifth edition, the book celebrates its 22nd anniversary - a testimony to the vast readership as well as the changes being experienced in this sector. Changes in this edition: Web-supplement including: Chapter summaries Solutions and hints to problems and much more website: tatamcgrawhill.com/digital_solutions/aspabla The following topics have been further enhanced: Planning System Design Demand Side Management Captive Generation Power Quality Metering Tarrifs and Billing Electricity Market Low Rate Agriculture Tariff Underground Cables Replacement of Ageing Equipment With this coverage, this book would be useful to the engineers in the various electricity boards and companies, as well as students of electrical engineering.

Circuit Theory

Network Analysis & Synth

Basic Electrical Engineering

Basic Electrical Engineering

Residential, Commercial and Industrial Electrical Systems: Equipment and selection

The book presents a detailed exposition of the basic facets of electrical and electronics engineering. It begins with a general introduction to the basic concepts in electrical engineering and goes on to explain electrostatic fields and batteries. The basic concepts and techniques in circuit analysis are explained next. This followed by a detailed exposition of electric machines which includes discussion of transformers and synchronous motors. Electrical measurements and instruments are explained next which is followed by an exposition of basic electronics. SI units are consistently used throughout the book. Solved examples, practice problems and objectives questions are presented in each chapter.

THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING

This book on Basic Electrical Engineering targeted at first year engineering students of Pune University (PU), is written exactly in-sync with the syllabus, common to all engineering branches. It will give the readers a thorough foundation in the theory of Electrical Engineering course.

Basic Electrical Electronics and Computer Engineering

A comprehensive, up-to-date and lucidly written book meeting with the long-felt need for a complete text for undergraduate and postgraduate courses. The book is mainly concerned with detailed analysis and design of converters, inverters and power control circuits using solid-state devices. It covers the various types of transformation of energy and discusses the

circuits and equipment basic to most electronic devices in use today.With its wide coverage and detailed analysis, is an ideal text for undergraduate and postgraduate and students of electrical engineering and electronics. It would also be highly useful to practicing engineers in the field of power control.

Basic Electrical and Electronics Engineering

Residential, Commercial and Industrial Electrical Systems is a comprehensive coverage on every aspect of design, installation, testing and commissioning of electrical systems for residential, commercial and industrial buildings. This book would serve as a ready reference for electrical engineers as well as bridge the gap between theory and practice, for students and academicians, alike.Volume 1: Equipment and Selection provides its readers a detailed description of various equipment typically used in electrical distribution system. Along with the working principle and procurement methods, the book discusses selection criteria of different electrical equipment

Introduction to Electrical Engineering

Microwave Engineering

Covers entire spectrum of basic electrical engineering from the fundamentals to measuring instruments in a single volume. Special focus on step-by step and tutorial approach for solved examples 16 lab experiments included in the text. Rich pool of pedagogy.

High Voltage Engineering

Power Electronics

BAS ELEC & ELECT ENGG - AU

Basic Elec & Elect Engg

The field of engineering today is largely inter-disciplinary and requires an acute appreciation of the fundamental principles of electrical and electronics engineering. The book Basic Electrical and Electronics Engineering is an offering for the first time learner, newly initiated into engineering, of the world of electrical and electronics engineering. Those who decide to pursue this subject further will find in this book a wealth of initial information about the courses to come. For the engineers who wish to pursue different branches of engineering this book would serve as a lifetime guide to understand areas of electrical and electronics engineering that will come within their purview during their career in engineering.

Basic Electrical Engineering

Electrical Engineering Materials

Fundamentals of Electrical Engineering

Basic Electrical Engg 3E

Electronic Instrumentation

Basic Electrical Engineering

Electric Power Distribution

For the first time in India, we have a comprehensive introductory book on Basic Electrical Engineering that caters to undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE, GATE and graduate IETE. The book provides a lucid yet exhaustive exposition of the fundamental concepts, techniques and devices in basic electrical engineering through a series of carefully crafted solved examples, multiple choice (objective type) questions and review questions. The book covers, in general, three major areas: electric circuit theory,

electric machines, and measurement and instrumentation systems.

Power Plant Engineering

The book discusses the properties, characteristics, applications and limitations of engineering materials. Its emphasis is on materials available locally. It also incorporates useful data from the manufacturer's catalogues. The book gives a comprehensive coverage of the subject, with numerous illustrations for easy understanding. ISI standards are quoted wherever applicable.The book will server as an excellent text for diploma. Degree and AMIE Students. It will also be a valuable reference book for industrial organizations.

BASIC ELEC ENGG - PU 2011

Overview: Basic Electrical & Electronics Engineering, a hallmark text by renowned authors in the field, has already proved its potential. Revised edition now includes several new topics to cover the complete undergraduate syllabus on Basic Electrical & Electronics Engineering with increased pedagogical features. Features: New chapter on ‘Digital Electronics’ Applications to OPAMP included.

Electric Machines

Residential, Commercial and Industrial Electrical Systems is a comprehensive coverage on every aspect of design, installation, testing and commissioning of electrical systems for residential, commercial and industrial buildings. This book would serve as a ready reference for electrical engineers as well as bridge the gap between theory and practice, for students and academicians, alike. Volume 1: Equipment and Selection provides its readers a detailed description of various equipment typically used in electrical distribution system. Along with the working principle and procurement methods, the book discusses selection criteria of different electrical equipment

Electrical Machines

This book deals with the fundamentals of electrical engineering concepts like design & application of circuitry, equipment for power generation & distribution and machine control. Features Transformers discussed in detail. Thoroughly revised chapters on Single and Three-Phases Induction Motors. New chapter on: 1. Three-Phase Alternator 2. Electromechanical Energy Conversion 3. Testing of DC Machines