

Electrical Electronics Engineering By Theraja

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily understand the subject as all theories and concepts are explained with lucidity and clarity. Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase and Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

Fundamentals of Electrical Engineering

Objective Electrical, Electronic and Telecommunication Engineering

Modern Physics

A Textbook of Electrical Technology - Volume II

Aims of the Book:The foremost and primary aim of the book is to meet the requirements of students pursuing following courses of study:1.Diploma in Electronics and Communication Engineering(ECE)-3-year course offered by various Indian and foreign polytechnics and technical institutes like City and Guilds of London Institute(CGLI).2.B.E.(Elect.& Comm.)-4-year course offered by various Engineering Colleges.efforts have been made to cover the papers:Electronics-I & II and Pulse and Digital Circuits.3.B.Sc.(Elect.)-3-Year vocationalised course recently introduced by Approach.

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

Digital Electronics

Electrical and Electronic Principles and Technology

A Textbook of Electrical Technology - Volume IV

Principles, Devices and Applications

The present book has been thoroughly revised and lot of useful material has been added .several photographs of electronic devices and their specifications sheets have been included.This will help the students to have a better understanding of the electronic devices and circuits from application point of view.the mistake and misprints,which has crept in,have been eliminated in this edition.

For Mechanical Engineering Students of Indian Universities.It is also available in 4 Individual Parts

A Textbook of Electrical Technology - Volume III

(Incorporating Rationalized M.K.S.A. System)

A Text-book of Electrical Technology in S.I. System of Units

Elements of Electrical and Mechanical Engineering

In the present edition,authors have made sincere efforts to make the book up-to-date.A notable feature is the inclusion of two chapters on Power System.It is hoped that this edition will serve the readers in a more useful way.

The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, Digital Electronics includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, demultiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

Fundamentals Of Electrical Engg. & Electronics

Multiple Choice Questions in Electrical, Electronic & Telecommunication Engineering

In International System SI of Units

ABC of Electrical Engineering

The primary objective of vol. I of A Text Book of Electrical Technology is to provide a comprehensive treatment of topics in Basic Electrical Engineering both for electrical as well as nonelectrical students pursuing their studies in

civil,mechanical,mining,textile,chemical,industrial,environmental,aerospace,electronics and

computer engineering both at the Degree and diploma level.Based on the suggestions received from our esteemed readers,both from India and abroad,the scope of the book has been enlarged according to their requirements.Almost half the solved examples have been deleted and replaced by latest examination papers set upto 1994 in different engineering colleges and technical institutions in India and abroad.

In this book we have included more examples,tutorial problems and objective test questions in almost all the chapters.The chapter on Optoelectronic Devices has been expanded to include more application examples in the area of optical fibre networks.The chapter on Regulated Power Supply carries more detailed study of fixed positive-Fixed negative and adjustable-linear IC voltage regulators as well as switching voltage regulator.The topic on OP-AMPs has been separated from the chapter on integrated Circuits.A new chapter is prepared on OP-AMPs and its Applications.The Chapter on OP-AMPs and its Applications includes OP-AMP based Oscillator circuits,active filters

etc.

Basic Electrical and Electronics Engineering:

Worked Examples in Electrical Technology

Cover Basic Electrical Engineering and Electrical Machines For 1st Year Students of B.E (all Branches), B. Tech and A.I.M.E

Principles of Electronic Devices & Circuits

A textbook of Electrical Technology. In this edition, two new chapters have been added namely Rating & Service Capacity' and distribution Automation .The First chapter will be useful to degree/diploma students undergoing their first course in Electrical Drives. It also contains many solved problems for the benefit of students. Another new chapter 'distribution Automation' is a latest development in the field of Electrical Power System Engineering. Till recent years, stress was given on Generation and Transmission.

A Textbook on Electrical Technology

A Textbook of Applied Electronics

Fundamentals of Electrical Engineering and Electronics in International Systems (SI) of Units
Solid State

Hughes Electrical and Electronic Technology

This Book extensive pruning of the solved Examples in the text. Majority of the old examples have been replaced by questions set in the latest examination papers of different engineering colleges and technical institutions.

The aim of this book is to introduce students to the basic electrical and electronic principles needed by technicians in fields such as electrical engineering, electronics and telecommunications. The emphasis is on the practical aspects of the subject, and the author has followed his usual successful formula, incorporating many worked examples and problems (answers supplied) into the learning process.

Electrical Principles and Technology for Engineering is John Bird's core text for Further Education courses at BTEC levels N11 and N111 and Advanced GNVQ. It is also designed to provide a comprehensive introduction for students on a variety of City & Guilds courses, and any students or technicians requiring a sound grounding in Electrical Principles and Electrical Power Technology.

Fundamentals of Electrical Engineering and Electronics

Lessons in Electric Circuits: An Encyclopedic Text & Reference Guide (6 Volumes Set)

Electrical Principles and Technology for Engineering

Objective Electrical Technology

A multicolor edition of Vol. II of A Textbook of Electrical Technology to keep pace with the ever-increasing scope of essential and modern technical information, the syllabi are frequently revised. This often results into compressing established facts to accommodate recent information in the syllabi. Fields of power-electronics and industrial power-conditioners have grown considerably resulting into changed priority of topics related to electrical machines. Switched reluctance-motors tend to threaten the most popular squirrel-cage induction motors due to their increased ruggedness, better performance including controllability and equal ease with which they suit rotary as well as linear-motion-applications.

A Textbook of Electrical Technology (Vol. IV) Multicolor pictures have been added to enhance the content value and give to the students an idea of what he will be dealing in reality and to bridge the gap between theory and practice. A notable feature is the inclusion of chapter on Flip-Flops and related Devices as per latest development in the subject. Latest tutorial problems and objective type questions specially for GATE have been included at relevant places.

Fundamentals of Electrical Engineering and Electronics in International System (SI) of Units (Incorporating Rationalized M.K.S.A. System)

A Textbook of Electrical Technology

A Textbook of Electrical Technology - Volume I (Basic Electrical Engineering)

Basic Electrical Engineering

This practical resource introduces electrical and electronic principles and technology covering theory through detailed examples, enabling students to develop a sound understanding of the knowledge required by technicians in fields such as electrical engineering, electronics and telecommunications. No previous background in engineering is assumed, making this an ideal text for vocational courses at Levels 2 and 3, foundation degrees and introductory courses for undergraduates.

This is the sixteenth edition of the textbook. It includes solutions of A.M.I.E. papers. Some of the latest questions from B.E., B.Sc(Engg.) a B.Sc(General) examinations of various Indian Universities have also been added. Special features the book is that all the diagrams are redrawn & made by computer. The size of the book is all changed as per the present trend of various popular textbooks.

Textbook of Electrical Technology

Embedded Systems

Basic Electronics

In S.I. System of Units