
Basic Electronic Engineering Babujan

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**Engineering Basics:
Electrical, Electronics
and Computer
Engineering CBS**
Publishers & Distributors
Pvt Limited, India
Designed to serve as a

core textbook for
undergraduate first year
engineering students. It
presents the topics of basic
electrical and electronics
engineering in simple, easy-
to-understand language. -
Fundamentals are explained
with suitable examples. -
Core concepts are
presented through
examination-oriented solved
problems. - Practice
problems are included at the
end of each chapter for self-
evaluation. - Answers to

practice problems are included with detailed explanations. - Includes elaborate illustration and circuit diagrams.

Electronics the Easy Way
S. Chand Publishing

This book introduces students to all the basics of electronics. After working through this book, a student will have a good knowledge of: DC power supplies; signal/function generators; digital multimeters; oscilloscopes; low power analogue electronic devices.

Basic Electrical and Electronics Engineering
John Wiley & Sons

This book is primarily designed to serve as a textbook for undergraduate students of electrical, electronics, and computer engineering, but can also be used for primer courses across other disciplines of engineering and related

sciences. The first edition of this book was published in 2015. The book has been completely revised and a chapter on PSPICE has also been included. The book covers all the fundamentals aspects of electronics engineering, from electronic materials to devices, and then to basic electronic circuits. The topics covered are the basics of electronics, semiconductor diodes, bipolar junction transistors, field-effect transistors, operational amplifiers, switching theory and logic design, electronic instruments, and Pspice. The book is written in a simple narrative style that makes it easy to understand for the first year students. It includes a lot of illustrative diagrams and examples, to enable students to practice. Each chapter contains a summary

followed by questions asked during the University examinations to enable students to practice before the final examination. The contents of this book will be useful also for students and enthusiasts interested in learning about basic electronics without the benefit of formal coursework.

Fundamentals Of Electronic Engineering S. Chand

Publishing

Basic Electronics, meant for the core science and technology courses in engineering colleges and universities, has been designed with the key objective of enhancing the students' knowledge in the field of electronics. The book has an extensive coverage of

Basic Electronics:

Firewall Media

This book is primarily designed to serve as a textbook for undergraduate students of electrical,

electronics, and computer engineering, but can also be used for primer courses across other disciplines of engineering and related sciences. The book covers all the basic aspects of electronics engineering, from electronic materials to devices, and then to basic electronic circuits. The book can be used for freshman (first year) and sophomore (second year) courses in undergraduate engineering. It can also be used as a supplement or primer for more advanced courses in electronic circuit design. The book uses a simple narrative style, thus simplifying both classroom use and self study. Numerical values of dimensions

of the devices, as well as of data in figures and graphs have been provided to give a real world feel to the device parameters. It includes a large number of numerical problems and solved examples, to enable students to practice. A laboratory manual is included as a supplement with the textbook material for practicals related to the coursework. The contents of this book will be useful also for students and enthusiasts interested in learning about basic electronics without the benefit of formal coursework.

Basic Electrical and Electronics Engineering Juta and Company Ltd

Although, a number of books, written by various authors on

the subject are available in the market. However, the author feels that this book will facilitate the students not only to prepare for the regular University examinations. The book is also quite suitable for the professionals since many live examples have been incorporated. The book has the following exclusive features: (i) The Learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students. (ii) Practice exercise have been added in all the chapters after suitable intervals to

impart necessary practice. (iii) At the end of each chapter, its summary highlights are given. This will enable the students to revise the subject matter quickly. (iv) A number of short answer and test questions have been given at the end of each chapter. While answering these questions, the readers will have to think deep into the subject matter. This will improve their analytical approach. Consequently, the students/readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems. (v) A sufficient number of objective type questions (MCQ) have been given at the end of each chapter. These questions will help the students to perform better in the competitive examinations. (vi) The subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily. Although, typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding.

Basics of Electrical Electronics and Communication

Engineering I. K. International Pvt Ltd
This book provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. Efforts have been taken to keep the complexity level of the subject to bare minimum so that the students of non electrical/electronics can easily understand the basics. It offers an unparalleled exposure to the entire gamut of topics such as Electricity Fundamentals,

Network Theory, Electro-magnetism, Electrical Machines, Transformers, Measuring Instruments, Power Systems, Semiconductor Devices, Digital Electronics and Integrated Circuits.
Electronics Engineering Firewall Media
This supplementary textbook for electrical engineering students will also prove enlightening to others who have an aptitude for working with electronic equipment. The authors present a complex subject in step-by-step fashion -- literally guiding students through the

easy way to understand electronics. This newly updated edition embraces the most recent developments in electronics. Opening with a chapter on the many available careers in the field, the authors continue with a review of the basic principles of electricity and electronics. Subsequent chapters explain semiconductors, audio amplifiers, stereo equipment, oscillators, transmitters, television, lasers and fiber optics, radar, computer hardware, and much more. The book is filled with informative line art and circuitry diagrams.

Basic Electrical and Electronics Engineering I. K.

International Pvt Ltd
Basic Electrical and Electronics Engineering: For PTU is a student-friendly, practical and example-driven book that gives students a solid foundation in the basics of electrical and electronics engineering. The contents have been tailored to exactly correspond with the requirements of the core course, Basic Electrical and Electronics Engineering, offered to the students of Punjab Technical University in their first year. A rich

collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Basic Electrical and Electronics

Engineering RAJATH PUBLISHERS

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.

Basic Electrical and Electronics

Engineering: For

PTU Independently Published

Fundamentals of

Electronic

Engineering

fulfills the

requirements of a

textbook on basic

electronic

engineering, a core

course for

undergraduate

engineering

students of all

branches. The book

deals with

fundamental

concepts and

principles of the

subject. Concepts

and theories are

properly explained

and illustrated

with examples in

this book. Three

complete chapters

deal with the

digital systems

including

microprocessors,

microcomputers,

minicomputers, and

microcontrollers.

The book includes a

chapter on

analogue, digital,

and optical

communication

systems.

Basic Electrical

Engineering and Electronic Pearson Education India
Designed For Entry-Level Engineering Students, This Book Presents A Thorough Exposition Of Electrical, Electronics, Computer And Communication Engineering. Simple Language Has Been Used Throughout The Book And The Fundamental Concepts Have Been Systematically Highlighted * This Edition Includes New Chapters On Transmission And Distribution * Communication Services * Linear And Digital Integrated Circuits * Sequential Logic System * The Book Also Includes * Large Number Of Diagrams For A Clear Understanding Of The Subject * Cumerous Solved Examples Illustrating Basic Concepts And Techniques * Exercises And Review Questions With Answers * Revision Formulae For Quick Review And Recall All These Features Make This Book An Ideal Text For Both Degree And Diploma Students Engineering.

Principles of Electrical Engineering and Electronics Pearson Education India

The book is written per the syllabus of first year engineering degree course for various universities. It covers basic topics of electrical, electronics and communication engineering. It also includes worked out examples, University examination questions and answers, exercise, etc in every chapter. This book is suitable for course in basic electrical and electronics engineering under various Universities. Authors have tried to elucidate the topics in such a way that even a mediocre student can assimilate them. Many solved problems,

sample question papers and exercise given in every section will provide a thorough understanding of the topics. Other features include attractive writing style, well structured equations and numerical examples, pictures of high clarity, etc. This book is one among prescribed textbooks for the syllabus of BIT, Mesra, Ranchi. Basic Electrical & Electronics Engineering KHANNA PUBLISHING HOUSE Basic Electronics Engineering (For Diploma/ Polytechnic, Odisha) **Basic Electrical and Electronics Engineering** Precise Tata McGraw-Hill

Education
In recent years Basic
Electrical
Engineering:
Principles, Designs &
Applications are being
used extensively in
Electrical
Engineering,
Microprocessor,
Electrical Drives and
Power Electronics
research and many
other things. This
rapid progress in
Electrical &
Electronics
Engineering has
created an increasing
demand for trained
Electrical Engineering
personnel. This book
is intended for the
undergraduate and
postgraduate students
specializing in
Electronics
Engineering. It will
also serve as
reference material for
engineers employed in
industry. The
fundamental concepts

and principles behind
electronics
engineering are
explained in a simple,
easy- to- understand
manner. Each chapter
contains a large
number of solved
example or problem
which will help the
students in problem
solving and designing
of Electronics system.
This text book is
organized into
thirteen chapters.
Chapter-1: AC and DC
Circuit Analysis
Chapter 2: Network
Reduction and Network
Theorems Chapter-3:
Resonance and Coupled
CircuitsChapter-4:
TransformerChapter-5:
Three Phase
CircuitsChapter-6:
Electrical Generator
and MotorChapter- 7:
Switchgear, Protection
& Earthing
SystemChapter- 8:
Electricity Usage
Monitors, Power Factor

Correction and Basics of Battery & Its applications The book Basic Electrical Engineering: Principles, Designs & Applications is written to cater to the needs of the undergraduate courses in the discipline of Electronics & Communication Engineering, Computer Science Engineering, Information Technology, Electronics & Instrumentation Engineering, Electrical & Electronics Engineering and postgraduate students specializing in Electronics. It will also serve as reference material for engineers employed in industry. The fundamental concepts and principles behind of Transformer, Three

Phase Circuits and Electrical Generator and Motor are explained in a simple, easy- to- understand manner. Each Chapter of book gives the design of Electrical Engineering that can be done by students of B.E./B.Tech/ M/Tech. level.Salient Features*Detailed coverage of AC and DC Circuit Analysis, Network Reduction and Network Theorems and Resonance and Coupled Circuits.*Comprehensive Coverage of Transformer, Three Phase Circuits and Electrical Generator and Motor.*Detailed coverage of Switchgear, Protection & Earthing System, Electricity Usage Monitors, Power Factor Correction and Basics of Battery & Its applications.*Each chapter contains a

large number of solved example or objective type's problem which will help the students in problem solving and designing of Electrical Engineering.*Clear perception of the various problems with a large number of neat, well drawn and illustrative diagrams. *Simple Language, easy- to- understand manner. I do hope that the text book in the present form will meet the requirement of the students doing graduation in Electronics & Communication Engineering, Computer Science Engineering, Information Technology, Electronics & Instrumentation Engineering and Electrical & Electronics Engineering. I will

appreciate any suggestions from students and faculty members alike so that we can strive to make the text book more useful in the edition to come.

Basic Electronics Engineering New Age International Explains the fundamental concepts and principles behind digital logic designs in a simple, easy-to-understand manner. Each chapter contains solved examples and problems. It has been written is to cater to the needs of students of electronics and communication engineering, computer science engineering, IT, and electronics and instrumentation engineering. Basic Electrical Engineering Barron's Educational Series This book is designed

to meet the needs of first year students of degree engineering. It provides a comprehensive coverage of the course, and includes a large number of worked out examples, theoretical exercises and numerical problems. This book is divided into two parts. Part I is related to electrical engineering and part II, the electronics portion, deals with both theory and applications of the major semiconductor devices: diodes and transistors bipolar junction transistor (BJTs) and field-effect transistors (FETs) in both discrete and integrated-circuit (IC) form. In addition to the coverage of the application of semiconductor devices to digital logic

circuits, established analog topics such as small-signal, operational, and power amplifiers are included.

Basic Electrical and Electronics

Engineering Pearson Education India

For close to 20 years, Basic Electronics: Devices and Circuits has provided fundamental knowledge of the subject to all students. Each chapter focuses on the core concepts and clearly elucidate the fundamental principles, methods and circuits involved in electronics.

Basic Electrical and Electronics

Engineering Pearson Education India

The General Response to the first edition of the book was very encouraging. The authors feel that

their work has been
amply rewarded and
wish to express their
deep sense of
gratitude, in common to
the large number of
readers who have
used it, and in
particular to those
of them who have sent
helpful suggestions
from time to time for
the improvement of the
book. To enhance the
utility of the book, it
has been decided to
bring out the
multicolor edition of
the book. There are three
salient features of the
multicolor edition.

*Basic Electrical
Engineering* Springer
Nature