

Read Book Basic
Electrical
Engineering By MI
Anwani

Basic
Electrical
Engineering
By MI
Anwani

***The 2014
International
Conference on
Mechatronics
Engineering and***

Page 1/90

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Anwar

**Electrical
Engineering**

(CMEEE2014) was held October 18-19, 2014 in Sanya, Hainan, China. CMEEE2014 provided a valuable opportunity for researchers, scholars and scientists to exchange their new ideas and

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*application
experiences face to
face together, to
establish business
or research*

*The primary
objective of vol. I
of A Text Book of
Electrical
Technology is to
provid a
comprehensive
treatment of topics
in Basic Electrical*

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Engineering By M I
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***Engineering both
for electrical
aswell as
nonelectrical
students pursuing
their studies in civi
l,mechnacial,minin
g,texttile,chemical,
industrial,nvirome
ntal,aerospace,elec
tronicand
computer
engineering both
at the Degree and***

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diplomalevel. 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

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Engineering By M I

***latest examination
papers set upto
1994 in different
engineering
collage and
technical
institutions in
India and abroad.
The Primary Goal
of this hand book
is to provied in a
simple and way,a
concise and
coherent***

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***presentation of the
core material
,namely,the key ter
minology,fundame
ntal concepts,princ
iples,laws,facts,fig
ures,formulase,mat
hematical methods
and applications of
electrical and
electronics
engineering.A
necessary corollary
objective of this***

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***handbook is to
prepare the reader
for specialist
literature. The
material presented
in this handbook is
intended to serve
as a platform
from where the
reader can launch
to an exploration
of specialised field
of interest.***

General Catalog

Page 8/90

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***Basic Shop
Practicals in
Electrical
Engineering
Lessons in Electric
Circuits: An
Encyclopedic Text
& Reference Guide
(6 Volumes Set)
Second Edition
For the first time in
India, we have a
comprehensive
introductory book***

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Engineering By M I
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***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***

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Engineering By M I

***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.***

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Engineering By M I

The book covers, in general, three major areas: electric circuit theory, electric machines, and measurement and instrumentation systems.

This Book extensive pruning of the solved Examples in the text. Majority of the old examples have been replaced

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Engineering By M I
Anwani

***by questions set in
the latest
examination papers
of different
engineering
colleges and
technical
institutions.***

***Attuned to the
needs of
undergraduate
students of
engineering in their
first year, Basic***

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Electrical
Engineering By M I
Anwarani

Electrical Engineering enables them to build a strong foundation in the subject. A large number of real-world examples illustrate the applications of complex theories. The book comprehensively covers all the areas taught in a one-

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Electrical
Engineering By M I
Anwani

*semester course
and serves as an
ideal study material
on the subject.*

***BASIC ELECTRICAL
AND ELECTRONICS
ENGINEERING***

***Fundamentals of
Electrical***

***Engineering and
Electronics***

***Basic Electrical
Engineering***

Through Questions

Read Book Basic Electrical Engineering By M I **and Answers** Anwani

This comprehensive book with a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all

Read Book Basic Electrical Engineering By M Anwani

those who are appearing in competitive examinations such as AMIE, GATE and graduate IETE. The text 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

Read Book Basic Electrical Engineering By MI

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. The book is written for an undergraduate course on the Basic Electrical Engineering. It provides

Read Book Basic Electrical Engineering By MI Anwani

comprehensive
explanation of theory
and practice of electrical
engineering. It
elaborates various
aspects of d.c. and a.c.
circuit analysis,
magnetic circuits,
measuring instruments,
single phase
transformers and
various electrical
machines. The book
starts with the concepts

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of electric charge, current and potential difference. It explains Kirchhoff's laws, star-delta transformation, mesh analysis and node analysis. It also covers the application of various network theorems in analyzing d.c. circuits. The book incorporates detailed discussion of steady state analysis of single-phase

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series and parallel a.c. circuits along with the resonance. The book also explains the three phase balanced circuits, three phase power measurement and power factor improvement. The simple techniques and stepwise methods used to explain the phasor diagrams is the feature of the book. The book

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teaches the theory of various electrical measuring instruments. The book also covers the concept of earthing and electrical safety, which is most important while dealing with the electrical equipment ' s. The book also includes the discussion of magnetic circuits, self and mutual inductances and magnetic hysteresis.

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The book further explains the details of single-phase transformers and various electrical machines such as d.c. machines, three phase and single-phase induction motors and synchronous machines. The brief introduction of power system is also incorporated in the book. The book uses

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plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. All the chapters are arranged in a proper sequence that permits each topic to build upon earlier studies. The variety of solved

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examples is the feature
of this book which helps
to inculcate the
knowledge of the basic
electrical engineering in
the students. The book
explains the philosophy
of the subject which
makes the
understanding of the
concepts very clear and
makes the subject more
interesting.

It Has Often Been

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Experienced That
Students Are Required
To Perform
Experiments On
Certain Topic Before
The Relevant Theory
Has Been Taught In
The Class. A
Laboratory Manual
Which, In Addition To
A Set Of Instructions
For Performing
Experiments, Includes
Related Theory In Brief

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Could Help Students
Understand
Experiments Better. In
Response Of Demand
From A Large Number
Of States For An
Appropriate Laboratory
Manual In Basic
Electricity And
Electrical
Measurements, The
T.T.T.I., Chandigarh,
Has Prepared This
Manual Which Has

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Been Tried Out In
Various Polytechnics
And Improved Based
On The Feedback. The
Basic Objective Of The
Manual Is To
Encourage Students To
Perform Experiments
Independently And
Purposefully. The
Manual Organises The
Information To Enable
The Students To Verify
Known Concepts And

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Principles And To
Follow Certain
Procedures And
Practices And Thereby
Acquire Relevant
Skills. Detailed
Instructions For
Carrying Out Each
Experiment Alongwith
Relevant Theory In
Brief Have Been Given.
The Objectives For
Performing An
Experiment Have Been

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Included At The
Beginning Of Each
Experiment. A List Of
Questions Given At The
End Of Each
Experiment Will Help
Students Evaluate His
Own
Understanding. The
Manual Also Includes
Guidelines For Students
And Teachers For Its
Effective Use. An
Assessment Proforma

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Given At The Beginning
Of The Manual May Be
Used By The Teachers
In Evaluating The
Students.

Objective Electrical
Technology
Polyimide for Electronic
and Electrical
Engineering
Applications
ELECTRICAL
ENGINEERING
Concise Handbook of

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*Electronics and
Electrical Engineering
For Mechanical
Engineering
Students of
Indian
Universities. It
is also
available in 4
Individual Parts
This Book Is
Written For Use
As A Textbook
For The*

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*Students Of All
Disciplines At
The First Year
Level Of The
B.Tech.*

*Programme. The
Text Material
Will Also Be
Useful For
Electrical
Engineering
Students At
Their Second*

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*Year And Third
Year Levels. It
Contains Four
Parts, Namely,
Electrical
Circuit Theory,
Electromagnetism
And Electrical
Machines,
Electrical
Measuring
Instruments, And
Lastly The
Introduction To*

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Power Systems.

*This Book Also
Contains A Good
Number Of Solved
And Unsolved
Numerical
Problems. At The
End Of Each
Chapter
References Are
Included For
Those Interested
In Pursuing A
Detailed Study.*

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

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readers in a
more useful way.

*Mechatronics
Engineering and
Electrical
Engineering
Handbook for
Electrical
Engineers
THEORY AND
PROBLEMS OF
BASIC ELECTRICAL
ENGINEERING, ,
Second Edition*

Page 37/90

**Read Book Basic
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*Basic Electrical
and Electronics
Engineering:*

This book is
designed based
on revised
syllabus of
Gujarat
Technological
University,
Gujarat (AICTE
model
curriculum) for

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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

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establish a
firm

understanding
of the basic
laws of
Electric
Circuits,
Network
Theorems,
Resonance,
Three-phase
circuits,
Transformers,

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Electrical
Machines and
Electrical
Installation.

Basic
Electrical and
Electronics
Engineering
provides an
overview of the
basics of
electrical and
electronic

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engineering
that are
required at the
undergraduate
level. The book
allows students
outside
electrical and
electronics
engineering to
easily

2020-21 SSC JE
(All Sets 2018

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Electrical
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& 2019)

Electrical
Engineering
Solved Papers
A Textbook of
Electrical
Technology
For
Electrician,
Wireman, Junior
Technical
Schools,
Electrical

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Supervisors

Course, 1st

Class

Competency

Certificate and

1st and 2nd

Year Electrical

Engineering

Course

Basic

Electrical

Engineering

(through

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Engineering By M
Anwani
Questions and
Answers)

Experiments In
Basic
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**

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**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**

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Engineering By M
Anwani

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.

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Engineering By M I

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

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**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**

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Electrical
Engineering By M I
Anwani

and diagrammatic representations make this book valuable for students and teachers. For close to 30 years, “Basic Electrical Engineering” has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with

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Engineering By M I
Anwani

systematic

**development of the
subject aided by
illustrations makes this
text a fundamental
read on the subject.**

**Divided into 17
chapters, the book
covers all the major
topics such as DC
Circuits, Units of
Work, Power and
Energy, Magnetic
Circuits, fundamentals**

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Engineering By M I
Anwani

**of AC Circuits and
Electrical Instruments
and Electrical
Measurements in a
straightforward
manner for students to
understand.**

**Artificial intelligence
and its various
components are
rapidly engulfing
almost every
professional industry.
Specific features of AI**

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that have proven to be vital solutions to numerous real-world issues are machine learning and deep learning. These intelligent agents unlock higher levels of performance and efficiency, creating a wide span of industrial applications. However, there is a lack of research on the

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**specific uses of
machine/deep learning
in the professional
realm. Machine
Learning and Deep
Learning in Real-Time
Applications provides
emerging research
exploring the
theoretical and
practical aspects of
machine learning and
deep learning and
their implementations**

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as well as their ability to solve real-world problems within several professional disciplines including healthcare, business, and computer science. Featuring coverage on a broad range of topics such as image processing, medical improvements, and smart grids, this book is ideally designed for

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**researchers,
academicians,
scientists, industry
experts, scholars, IT
professionals,
engineers, and
students seeking
current research on
the multifaceted uses
and implementations
of machine learning
and deep learning
across the globe.**

Proceedings of the

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**2014 International
Conference on
Mechatronics
Engineering and
Electrical Engineering
(CMEEE 2014),
Sanya, Hainan, P.R.
China, 17-19 October
2014**

**Basic Electrical
Engineering: Through
Questions and
Answers**

Basic Electrical

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**Engineering
Fundamental Research**

**in Electrical
Engineering**

This volume
presents the
selected papers of
the First
International
Conference on
Fundamental
Research in

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Electrical
Engineering, held
at Khwarazmi
University,
Tehran, Iran in
July, 2017. The
selected papers
cover the whole
spectrum of the
main four fields of
Electrical
Engineering

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(Electronic, Telecommunications, Control, and Power Engineering).

Polyimide is one of the most efficient polymers in many industries for its excellent thermal, electrical,

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mechanical, and
chemical
properties as well
as its easy
processability. In
the electronic and
electrical
engineering
industries,
polyimide has
widely been used
for decades

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thanks to its very good dielectric and insulating properties at the high electric field and at high temperatures of around 200°C in long term-service. Moreover, polyimide appears essential for the

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development of
new electronic
devices where
further
considerations
such as high
power density,
integration,
higher
temperature,
thermal
conduction

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management,
energy storage,
reliability, or
flexibility are
required in order
to sustain the
growing global
electrical energy
consumption. This
book gathers
interdisciplinary
chapters on

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Engineering By M I
Anwani

polyimide in
various topics
through state-of-
the-art and
original ongoing
research.

This textbook
“Basic Electrical
Engineering” is
based on the
latest syllabus of
the Universities,

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AICTE and Educational Institutes. In this edition, some material of the book has been rewritten to make the presentation easily comprehensible. More illustrative examples mainly

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from IAS, IES and
GATE and other
competitive
examinations
have been added.
Various problems
with answers have
been added to
support the text.
For quick
revision, summary
/highlights are

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Engineering By M I

given at the end
of each chapter.

Salient Features: ·

DC Circuits · AC
Circuits ·

Transformers ·

Electrical

Machines · Power
converters ·

Electrical

Installations

A Textbook of

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Electrical
Engineering By MI
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Electrical
Technology -
Volume I (Basic
Electrical
Engineering)
Including
Electronics
Electrical
Engineering
Materials
Bulletin of
Additions to the

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Electrical
Engineering By M I
Anwani
Libraries,
Classified,
Annotated and
Indexed...

*This book presents
comprehensive
coverage of all the
basic concepts in
electrical engineering.
It is designed for
undergraduate
students of almost all*

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branches of engineering for an introductory course in essentials of electrical engineering. This book explains in detail the properties of different electric circuit elements, such as resistors, inductors and capacitors. The fundamental concepts of dc circuit laws,

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*such as Kirchhoff's
current and voltage
laws, and various
network theorems,
such as Thevenin's
theorem, Norton's
theorem,
superposition
theorem, maximum
power transfer
theorem, reciprocity
theorem and
Millman's theorem*

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are thoroughly discussed. The book also presents the analysis of ac circuits, and discusses transient analysis due to switch operations in ac and dc circuits as well as analysis of three-phase circuits. It describes series and parallel RLC circuits, magnetic circuits, and

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*the working principle
of different kinds of
transformers. In
addition, the book
explains the principle
of energy conversion,
the operating
characteristics of dc
machines, three-phase
induction machines
and synchronous
machines as well as
single-phase motors.*

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Finally, the book includes a discussion on technologies of electric power generation along with the different types of energy sources. Key Features : Includes numerous solved examples and illustrations for sound conceptual understanding.

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*Provides well-graded
chapter-end problems
to develop the
problem-solving
capability of the
students.*

*Supplemented with
three appendices
addressing matrix
algebra, trigonometric
identities and Laplace
transforms of
commonly used*

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functions to help students understand the mathematical concepts required for the study of electrical engineering.

This book provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. Efforts have

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*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,

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*Network Theory,
Electro-magnetism,
Electrical Machines,
Transformers,
Measuring
Instruments, Power
Systems,
Semiconductor
Devices, Digital
Electronics and
Integrated Circuits.
Divided into four
parts: circuits,*

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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

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*as a text for an
Anwani
introduction to*

electrical engineering.

A Reference Book for

Practicing Engineers

and Students of

Engineering

Fundamentals Of

Electrical Engg. &

Electronics

A Textbook of

Electrical Technology

- Volume IV

Page 81/90

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*Comprehensive Basic
Electrical Engineering*

**Basic Electrical
Engineering**

**Through
Questions and
Answers**

**Basic
Electrical
Engineering**

**(through
Questions and An**

swers

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**Answers) Including
Electronics Basic
Electrical
Engineering S.
Chand Publishing**

**This book
provides an
overview of the
basics of
electrical and
electronic
engineering that
are required at**

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***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***

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Electrical
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**offers an
unparalleled
exposure to the
entire gamut of
topics such as
Electricity
Fundamentals,
Network Theory,
Electro-
magnetism,
Electrical
Machines,
Transformers,**

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**Measuring
Instruments,
Power Systems,
Semiconductor
Devices, Digital
Electronics and
Integrated
Circuits.**

**A Textbook of
Electrical
Technology(Vol. I
V) Multicolor pictu
res have been**

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**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**

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***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***

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Anwani

relevant places.
**Basic Electrical
and Electronics
Engineering
Machine Learning
and Deep
Learning in Real-
Time Applications**
**THEORY AND
PROBLEMS OF
BASIC
ELECTRICAL
ENGINEERING**

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***For Diploma
Students in
Electrical and
Electronic
Engineering of
Polytechnics***