

Jb Gupta Electronic Devices And Circuits

Designed As A Textbook For Undergraduate Students, This Text Provides A Thorough Treatment Of The Fundamental Concepts Of Electronic Devices And Circuits. All The Fundamental Concepts Of The Subject, Including Integrated Circuit Theory, Are Covered Extensively Along With Necessary Illustrations. Special Emphasis Has Been Placed On Circuit Diagrams, Graphs, Equivalent Circuits, Bipolar Junction Transistors And Field Effect Transistors.

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.

Elements of Electronic Devices & Circuit

Electronics Devices and Circuits

A T.B. Of Ele. Device & Circuits

FUNDAMENTALS OF DIGITAL CIRCUITS

Special Features: · The book comprehensively covers fundamentals, operational aspects and applications of discrete semiconductor devices such as diodes, bipolar transistors, field effect transistors, unijunction transistors, and thyristors and optoelectronic devices in the discrete devices category and detail explanation of operational amplifiers is covered in the linear integrated circuits category. · The text is written in a lucid style and uses reader-friendly language. · The layout of the text is very methodical with sections and sub-sections, making reading easy and interesting from beginning to end of each chapter. · Each chapter concludes in a comprehensive self-evaluation exercise comprising objective-type questions (with answers), review questions and numerical problems (with answers). · The text has sufficient worked problems, design examples, review questions and self-evaluation exercises for each chapter. Adequate study material and self-evaluation exercises are included to help students in both conventional and competitive exams. About The Book: Understanding basic operational and applications of electronic devices is fundamental in understanding the functional and design aspects of electronics techniques, sub-system or system irrespective of whether it is analog or digital. The study of electronics devices and circuits is essential since majority of electronics systems have both analog and digital content. Though present day electronics is dominated by linear and digital integrated circuits, the importance of discrete devices cannot be undervalued as they continue to be used in large numbers in a variety of electronic circuits. In addition, understanding operational basics of these devices makes it easier to understand more complex integrated circuits. This textbook covers electronic devices and circuits in entirety, for undergraduate and graduate level courses. This study is pertinent for students of electronics, electrical, communication, instrumentation and control, information technology and even computer science engineering.

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.

Switchgear and Protection

Millman's Electronic Devices and Circuits

Advanced Electrical and Electronics Materials

Analog and Digital

Detailed theory, operation and application of devices and circuits 1000 objective type question and answers 150 solved problems 100 exercise problems with solution manual 27 experiments Power consumption details Electronic Devices and Circuits contains the fundamentals of electronic devices and their applications. The book is centred around the basic characteristics, analysis, design and application aspects of conductors, insulators, semi-conductors, resistors, inductors, capacitors, basic network theorems, test and measuring meters, fabrication techniques, diodes, transistors, amplifiers and oscillators. The fundamentals concepts of the subject are described pointwise for easy readability and grasp. Several solved problems, objective-type questions and multiple-choice question with answers, exercise questions with solution manual and a large number worked out examples, besides 27 experiments conducted for all the engineering and scient students are the highlight of the book. The entire content in the book is provided in a logical, orderly and a self-understandable manner.

A new chapter on Applications of Diodes. Provides essential understanding of the internal behavior and characteristics of electron/ semiconductor devices. Low and high frequency responses covered separately. Pedagogy includes: 90 solved problems 534 pract.

Basic Analog Electronics

Electronic Devices And Circuits

Processes and Applications

Utilization Of Electric Power & Electric Traction

The Fourth edition of this well-received text continues to provide coherent and comprehensive coverage of digital circuits. It is designed for the undergraduate students pursuing courses in areas of engineering disciplines such as Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, Telecommunications, Medical Electronics, Computer Science and Engineering, Electronics, and Computers and Information Technology. It is also useful as a text for MCA, M.Sc. (Electronics) and M.Sc. (Computer Science) students. Appropriate for self study, the book is useful even for AMIE and grad IETE students. Written in a student-friendly style, the book provides an excellent introduction to digital concepts and basic design techniques of digital

circuits. It discusses Boolean algebra concepts and their application to digital circuitry, and elaborates on both combinational and sequential circuits. It provides numerous fully worked-out, laboratory tested examples to give students a solid grounding in the related design concepts. It includes a number of short questions with answers, review questions, fill in the blanks with answers, multiple choice questions with answers and exercise problems at the end of each chapter.

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.

Electrical Machines (Uptu)

ELECTRONIC DEVICES AND CIRCUITS

For Engineering Students

Electrical Technology

The Objective of this book is to present the subject matter in a most concise, compact, to the point and lucid manner. While writing this book, I have constantly kept in mind the requirement of all the students, regarding the latest as well as changing trend of their examinations. To make it really useful for the students, latest examination questions of various Indian and foreign universities as well as other important examining bodies have been included.

This comprehensive and unique book is intended to cover the vast and fast-growing field of electrical and electronic materials and their engineering in accordance with modern developments. Basic and pre-requisite information has been included for easy transition to more complex topics. Latest developments in various fields of materials and their sciences/engineering, processing and applications have been included. Latest topics like PLZT, vacuum as insulator, fiber-optics, high temperature superconductors, smart materials, ferromagnetic semiconductors etc. are covered. Illustrations and examples encompass different engineering disciplines such as robotics, electrical, mechanical, electronics, instrumentation and control, computer, and their inter-disciplinary branches. A variety of materials ranging from iridium to garnets, microelectronics, micro alloys to memory devices, left-handed materials, advanced and futuristic materials are described in detail.

Electronic Devices and Circuits

Electronic Devices And Circuits (for Jntu)

A Course In Electronics & Electrical Measurements And Instrumentation

Basic Electrical and Electronics Engineering:

Designed as a text for the students of various engineering streams such as electronics/electrical engineering, electronics and communication engineering, computer science and engineering, IT, instrumentation and control and mechanical engineering, this well-written text provides an introduction to electronic devices and circuits. It introduces to the readers electronic circuit analysis and design techniques with emphasis on the operation and use of semiconductor devices. It covers principles of operation, the characteristics and applications of fundamental electronic devices such as p-n junction diodes, bipolar junction transistors (BJTs), and field effect transistors (FETs), and special purpose diodes and transistors. In its second edition, the book includes a new chapter on "special purpose devices". What distinguishes this text is that it explains the concepts and applications of the subject in such a way that even an average student will be able to understand working of electronic devices, analyze, design and simulate electronic circuits. This comprehensive book provides:

- A large number of solved examples.
- Summary highlighting the important points in the chapter.
- A number of Review Questions at the end of each chapter.
- A fairly large number of unsolved problems with answers.

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

An Integrated Course In Electrical Engineering (3rd Edition)

Principles of Electronic Devices & Circuits

Fundamentals of Electrical Engineering and Electronics

Electrical Installation Estimating & Costing

Electronic Devices and Circuits For B.E., B.Tech., B.Sc. (Engineering), M.Sc., B.Sc. Diploma, Sec B. of A.M.I.E. (India);

A.M.I.E.E. (London), Grad. I.E.T.E. (India); I.E.R.E. (London), U.P.S.C.I.E.S. and Other Various Competitive

Examinations Electronic Devices And Circuits Seagull Books Pvt Ltd Fundamentals of Electronic Devices For Engineering

Students Elements of Electronic Devices & Circuit SK Kataria and sons Basic Analog Electronics SK Kataria and sons An

Integrated Course In Electrical Engineering (3rd Edition) Seagull Books Pvt Ltd Electronic Devices and Circuits Pearson

Education India Electronic Devices and Circuits Pearson Education India

Generation of Electrical Energy is written primarily for the undergraduate students of electrical engineering while also

covering the syllabus of AMIE and act as a refresher for the professionals in the field. The subject itself is now rejuvenated with important new developments. With this in view, the book covers conventional topics like load curves, steam generation, hydro-generation parallel operation as well as new topics like new sources of energy generation, hydrothermal coordination, static reserve reliability evaluation among others.

Fundamentals of Electronic Devices

Analog Electronics—GATE, PSUS AND ES Examination

A Course In Electrical Technology (For Degree) (13th Edition)

Objective Electrical Technology

Test Prep for Analog Electronics—GATE, PSUS AND ES Examination

Theory & Performance Of Electrical Machines

In International System SI of Units

A Course in Electrical Power