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Basic Electronics Engineering (For Diploma/ Polytechnic, Odisha) - Anand M.L.

Basic Electronics Engineering (For Diploma/ Polytechnic, Odisha)

Electronic Circuit Analysis - B. Visvesvara Rao 2012

20 years GATE Electronics Engineering Chapter-wise Solved Papers (2000 - 19) with 4 Online Practice Sets 6th Edition - Disha Experts 2019-06-03

19 years GATE Electronics & Communication Engineering Chapter-wise Solved Papers (2000 - 18) The book covers fully solved past 19 years question papers from the year 2000 to the year 2018. The salient features are: The book has 3 sections - General Aptitude, Engineering Mathematics and Technical Section. Each section has been divided into Topics. Each chapter has 3 parts - Quick Revision Material, Past questions and the Solutions. The Quick Revision Material list the main points and the formulas of the chapter which will help the students in revising the chapter quickly. The Past questions in each chapter have been divided into 5 types: 1. Conceptual MCQs 2. Problem based MCQs 3. Common Data Type MCQs 4. Linked Answer Type MCQs 5. Numerical Answer Questions The questions have been followed by detailed solutions to each and every question. In all the book contains 1900+ MILESTONE questions for GATE Electronics & Communication Engineering.

Electrical Engineering Objective Questions Ebook-PDF - Chandresh Agrawal 2023-05-19

SGN. The Ebook Electrical Engineering Objective Questions Covers Previous Years' Papers Of Various Competitive Exams With Answers.

NTA CUET (PG) 2022 Mathematics - Team Prabhat 2022-06-03

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Electronics Engineering (U.P. Technical University, Lucknow) - Abhishek Yadav 2010

Objective Electrical Technology (6500+ Objective Questions with Hints) - Mehta V.K. & Mehta Rohit

In its 20th year, "Objective Electrical Technology" continues to be a comprehensive text aided by a collection of multiple-choice questions specifically for aspirants of various competitive such as GATE, UPSC, IAS, IES and SSC-JE as well as students who are preparing for university examinations. Divided in 4 parts and 44 chapters, every important concept of Electrical Technology is fairly treated. On the other hand, the questions provided in this book have been selected from various potent resources to provide the students with an idea of how the questions are set and what type of questions to expect on the final day.

Basic Electrical and Electronics Engineering - R.K. Rajput 2007

Electronics - Barun Raychaudhuri 2022-09-30

Analog and digital electronics are an important part of most modern courses in physics. Closely mapped to the current UGC CBCS syllabus, this comprehensive textbook will be a vital resource for undergraduate students of physics and electronics. The content is structured to emphasize fundamental concepts and applications of various circuits and instruments. A wide range of topics like semiconductor physics, diodes, transistors, amplifiers, Boolean algebra, combinational and sequential logic circuits, and microprocessors are covered in lucid language and illustrated with many diagrams and examples for easy understanding. A diverse set of questions in each chapter, including multiple-choice, reasoning, numerical, and practice problems, will help students consolidate the knowledge gained. Finally, computer simulations and project ideas for projects will help readers apply the theoretical concepts and encourage experiential learning.

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Electronics Engineering MCQ (4600+ MCQs-English) - Engineers Academy Publication

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6500+ MCQs: Electrical Engineering (English) - Engineers Academy Publication 2020-12-18

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Robotics And Industrial Automation - R. K. Rajput 2008

SOLID STATE DEVICES - NAIR, B. SOMANATHAN 2018-11-01
Designed as a text for undergraduate students of engineering in Electrical, Electronics, and Computer Science and IT disciplines as well as undergraduate students (B.Sc.) of physics and electronics as also for postgraduate students of physics and electronics, this compact and accessible text endeavours to simplify the theory of solid state devices so that even an average student will be able to understand the concepts with ease. The authors, Prof. Somanathan Nair and Prof. S.R. Deepa, with their rich and long experience in teaching the subject, provide a detailed discussion of such topics as crystal structures of semiconductor materials, Miller indices, energy band theory of solids, energy level diagrams and mass action law. Besides, they give a masterly analysis of topics such as direct and indirect gap materials, Fermi-Dirac statistics, electrons in semiconductors, Hall effect, PN junction diodes, Zener and avalanche breakdowns, Schottky barrier diodes, bipolar junction transistors, MOS field-effect transistors, Early effect, Shockley diodes, SCRs, TRIAC, and IGBTs. In the Second Edition, two new chapters on opto-electronic devices and electro-optic devices have been added. The text has been thoroughly revised and updated. A number of solved problems and objective type questions have been included to help students develop grasp of the contents. This fully illustrated and well-organized text should prove invaluable to students pursuing various courses in engineering and physics.
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A Textbook of Electronics - S. L. Kakani 2008

Advanced Semiconducting Materials and Devices - K.M. Gupta 2015-08-20
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A FIRST COURSE IN ELECTRONICS - ANWAR A. KHAN 2006-01-01
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of the most important semiconductor devices in general use today. It explains the underlying principles of how different circuits work—providing valuable insights into analysis of circuits so essential for solving design problems. Coverage includes all the basic aspects of analog and digital electronics plus several important topics such as current mirrors and their applications, amplifiers with active load, composite devices and their equivalent models and applications, op-amp mathematical and circuit modelling, and logic circuits analysis. Key Features : • Emphasizes underlying physics and operational characteristics of semiconductor devices • Numerous solved examples and review questions help the students develop an intuitive grasp of the theory. • Sufficient number of conventional and short-answer type model questions included in each chapter acquaint the students with the type of questions generally asked in examinations.

Analog Electronics - A.K. Maini, Varsha Agrawal
Analog Electronics is a complete and yet concise textbook on Analog Electronics covering Semiconductor Devices and associated circuits. Major topics covered in the book include Semiconductor device fundamental, Small signal and Large signal analysis of amplifiers, Low and High frequency response of amplifiers, Sinusoidal and Non-sinusoidal oscillators, feedback amplifiers, Operational amplifiers and application circuits, D/A and A/D converters and finally Switched capacitor circuits. the contents are strictly as per the syllabus as prescribed by AICTE. the book is replete with Solved problems and Self-evaluation exercises including Multiple choice question with answers.

Solid State Electronics Devices (For MAKAUT), 3rd Edition - Bandyopadhyay, Jyoti Prasad
Devices has been written for the undergraduate students of Electronics and Electrical Engineering. The book caters to introductory and advance courses on Solid State Devices. It is student-friendly and written for those who like to understand the subject from a physical perspective. Even teachers and researchers will benefit immensely from this book. This thoughtfully-organized book provides intense knowledge of the subject with the help of lucid descriptions of theories and solved examples and covers the syllabus of most of the colleges under WBUT.

Solid State Electronic Devices - K. Bhattacharya 2013-04
The second edition of Solid State Electronic Devices serves as a textbook for an introductory course on solid state electronic devices.

Fundamentals of Electrical and Electronics Engineering | AICTE Prescribed Textbook - English - Susan S. Mathew 2021-11-01

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WBMS-C-SAE PDF West Bengal Municipal Service Commission Sub-Assistant Engineer (Electrical) Exam Electrical Engineering Subject eBook - Chandresh Agrawal 2023-03-22
SGN.The WBMS-C-SAE PDF West Bengal Municipal Service Commission Sub-Assistant Engineer (Electrical) Exam Electrical Engineering Subject eBook Covers Objective

Questions Asked In Various Competitive Exams With Answers.

GATE 2020 Electronics & Communication Engineering Guide with 10 Practice Sets (6 in Book + 4 Online) 7th edition

- Disha Experts 2019-06-03

• 'GATE Electronics & Communication Engineering Guide 2019 with 10 Practice Sets - 6 in Book + 4 Online Tests - 6th edition' for GATE exam contains exhaustive theory, past year questions, practice problems and Mock Tests. • Covers past 14 years questions. • Exhaustive EXERCISE containing 100-150 questions in each chapter. In all contains around 5200 MCQs. • Solutions provided for each question in detail. • The book provides 10 Practice Sets - 6 in Book + 4 Online Tests designed exactly on the latest pattern of GATE exam.

Electronic Circuits Design Study Guide with Answer Key - Arshad Iqbal

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Electronic Devices Multiple Choice Questions and Answers (MCQs) - Arshad Iqbal 2021-09-05

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Basic Electronics - ML Anand

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Semiconductor Devices - Yaduvir Singh 2013-12-30

Semiconductor devices is an interdisciplinary subject of great industrial importance. This subject has led to the emergence of various state of art areas of engineering and technology like IC fabrication and packaging.

Microelectronics, VLSI, analog digital electronics, semiconductor electronics, etc. This book provides an integrated treatment of all aspects of semiconductor devices like semiconductor physics, semiconductor electronics, device designing, circuit development, analog circuit design, development and analysis etc.

This book has been written as per the syllabus of Semiconductor Devices of various technical universities like UPTU, PTU, Thapar University, BITS, VIT, BIT, PEC, NITs, IITs, SLIET, DEI, NSIT, DEC, VJTI, RGPV, MIT, NERIST, MAHE, GBPUAT, JU, BEC, BVP Pune, Pune University, Mumbai University. It discusses p-n junction diodes, bipolar junction transistors, high frequency transistors, field-effect transistors and power supplies in detail. Salient features: Minutely worked out examples give a complete understanding and hold on this subject. Variety of solved, unsolved and multiple choice questions completely cover the diversity of this subject, which is extremely useful for semester examinations, GATE, PSUs examinations. Pedagogy includes relevant and to the point text, solved questions, unsolved questions and multiple choice questions.

Electronics Devices And Circuits - P J Paul 2007

This Book Provides A Systematic And Thorough Exposition Of Electronic Devices And Circuits. The Various Principles Are Explained In Detail And The Interconnections Between Different Concepts Are Suitably Highlighted. The Book Begins By Explaining The Transition From Physics To Electronic Devices And Highlights The Linkages Between The Two. A Detailed Treatment Of Semiconductor Devices And Circuits Is Then Presented, Followed By A Comprehensive Discussion Of Bipolar Junction Transistor (Bjt). The Next Two Chapters Focus On Field Effect Transistor (Fet). Power Devices And Cathode Ray Oscilloscope Are Then Explained. The Book Includes A Large Number Of Solved Examples To Illustrate The Concepts And Techniques Discussed. Review Questions, Unsolved Problems With Answers And Objective Questions Are Included Throughout The Book. The Book Would Serve As An Excellent Text For Both Degree And Diploma Students Of Electrical, Electronics, Computer And Instrumentation Engineering. Amie Candidates Would Also Find It Extremely Useful.

Physics for Civil Service Exam - Madhu Sudan Pramod Sinha

This book has been written for the students preparing on the basis of new syllabus of UPSC , New Delhi for Civil Services Preliminary Examination. All the subject matter is presented in a simple, lucid style and in an elaborate form which will help even a fresher in following the subject with a little effort and informing clear mental concepts

Basic Electronics - Sambunath Biswas

This is an age of Electronics. At the dawn of the new millenium, it is no denying the fact that electronics has influenced the lifestyles of mankind in a manner never seen before. In order to understand the fundamentals of electronics, basic electronics is now taught as a compulsory subject for students of all branches of engineering. This book is planned to meet the requirements of a good and up-to-date book on basic electronics. The book discusses in a clear and concise way the fundamental principles and applications of basic electronics. The readers should find the book interesting particularly with large number of objective questions, solved problems and exercise problems.

Analog and Digital Electronic Circuits - R. Prasad
2021-05-15

This book introduces the foundations and fundamentals of electronic circuits. It broadly covers the subjects of circuit analysis, as well as analog and digital electronics. It features discussion of essential theorems required for simplifying complex circuits and illustrates their applications under different conditions. Also, in view of the emerging potential of Laplace transform method for solving electrical networks, a full chapter is devoted to the topic in the

book. In addition, it covers the physics and technical aspects of semiconductor diodes and transistors, as well as discrete-time digital signals, logic gates, and combinational logic circuits. Each chapter is presented as complete as possible, without the reader having to refer to any other book or supplementary material. Featuring short self-assessment questions distributed throughout, along with a large number of solved examples, supporting illustrations, and chapter-end problems and solutions, this book is ideal for any physics undergraduate lecture course on electronic circuits. Its use of clear language and many real-world examples make it an especially accessible book for students unfamiliar or unsure about the subject matter.

Electronic Circuit Analysis: - Rao 2011

Electronic Circuit Analysis is designed to serve students of a two semester undergraduate course on electronic circuit analysis. It builds on the subject from its basic principles over fifteen chapters, providing detailed coverage on the design and analysis of electronic circuits.

Electronic Devices And Circuits - J. B. Gupta 2009

Electronic Circuit Design Multiple Choice Questions and Answers (MCQs) - Arshad Iqbal

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MCQ questions: FET amplifiers applications, common-drain amplifiers, common-gate amplifiers, and common-source amplifiers. Practice "Field Effect Transistors MCQ" PDF book with answers, test 6 to solve MCQ questions: IGBT, JFET biasing, JFET characteristics, JFET transistor, MOSFET biasing, MOSFET characteristics, and Ohmic region. Practice "Introduction to Electronics MCQ" PDF book with answers, test 7 to solve MCQ questions: Atom, current in semiconductors, materials used in electronics, n-type and p-type semiconductors, and PN junction. Practice "Power Amplifiers MCQ" PDF book with answers, test 8 to solve MCQ questions: Class A, B and C power amplifiers, class amplifiers, class B and AB push pull amplifiers. Practice "Semiconductors Basics MCQ" PDF book with answers, test 9 to solve MCQ questions: n-type and p-type semiconductors, conduction in semiconductors, atomic structure, biasing diode, classification of matter on basis of semiconductor theory, covalent bonds, diode models, testing diode, and voltage-current characteristics of diode. Practice "Special Purpose Diodes MCQ" PDF book with answers, test 10 to solve MCQ questions: Optical diode, types of diode, varactor diode, Zener diode, and applications. Practice "Transistor Bias Circuits MCQ" PDF book with answers, test 11 to solve MCQ questions: DC operating point, bias methods, and voltage-divider bias.

Electronic Devices Multiple Choice Questions and Answers (MCQs) - Arshad Iqbal

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