

Digital Electronics And Microcomputers R K Gaur

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A Course in AUTOMOBILE ENGINEERING - RP SHARMA

A text book for Engineering Degree/Diploma students persuing Automobile specialisation or AMIE. The contents in the book cover, General

introduction to the automobile, engine operation, its construction, lubrication, cooling, ignition systems, carburation, fuels, Knock rating of SI fuels, Starter, injection, Different types of engines- stirling, steam rankine, wankel

rotary combustion, gas turbine, power plants, Automobile parts, suspension, transmission, and airconditioning. Numerous diagrams and pictures are included in each chapter for easy understanding of the subject.

Practical Electronics for Inventors 2/E - Paul Scherz 2006-12-05

THE BOOK THAT MAKES ELECTRONICS MAKE SENSE This intuitive, applications-driven guide to electronics for hobbyists, engineers, and students doesn't overload readers with technical detail. Instead, it tells you-and shows you-what basic and advanced electronics parts and components do, and how they work. Chock-full of illustrations, Practical Electronics for Inventors offers over 750 hand-drawn images that provide clear, detailed instructions that can help turn theoretical ideas into real-life inventions and gadgets. CRYSTAL CLEAR AND COMPREHENSIVE Covering the entire field of electronics, from basics through analog and digital, AC and DC, integrated circuits (ICs),

semiconductors, stepper motors and servos, LCD displays, and various input/output devices, this guide even includes a full chapter on the latest microcontrollers. A favorite memory-jogger for working electronics engineers, Practical Electronics for Inventors is also the ideal manual for those just getting started in circuit design. If you want to succeed in turning your ideas into workable electronic gadgets and inventions, is THE book. Starting with a light review of electronics history, physics, and math, the book provides an easy-to-understand overview of all major electronic elements, including: Basic passive components o Resistors, capacitors, inductors, transformers o Discrete passive circuits o Current-limiting networks, voltage dividers, filter circuits, attenuators o Discrete active devices o Diodes, transistors, thyristors o Microcontrollers o Rectifiers, amplifiers, modulators, mixers, voltage regulators ENTHUSIASTIC READERS HELPED US MAKE THIS BOOK EVEN BETTER This revised,

improved, and completely updated second edition reflects suggestions offered by the loyal hobbyists and inventors who made the first edition a bestseller. Reader-suggested improvements in this guide include: Thoroughly expanded and improved theory chapter New sections covering test equipment, optoelectronics, microcontroller circuits, and more New and revised drawings Answered problems throughout the book Practical Electronics for Inventors takes you through reading schematics, building and testing prototypes, purchasing electronic components, and safe work practices. You'll find all this in a guide that's destined to get your creative-and inventive-juices flowing.

Digital Design - M. Morris Mano 2013
For courses on digital design in an Electrical Engineering, Computer Engineering, or Computer Science department. Digital Design, fifth edition is a modern update of the classic authoritative text on digital design. This book

teaches the basic concepts of digital design in a clear, accessible manner. The book presents the basic tools for the design of digital circuits and provides procedures suitable for a variety of digital applications.

Sensing Issues in Civil Structural Health Monitoring - Farhad Ansari 2005-07-14

Civil infrastructure systems are generally the most expensive assets in any country, and these systems are deteriorating at an alarming rate. In addition, these systems have a long service life in comparison to most other commercial products. As well, the introduction of intelligent materials and innovative design approaches in these systems is painfully slow due to heavy reliance on traditional construction and maintenance practices, and the conservative nature of design codes. Feedback on the "state of the health" of constructed systems is practically nonexistent. In the quest for lighter, stronger and corrosion-resistant structures, the replacement of ferrous materials by high-

strength fibrous ones is being actively pursued in several countries around the world, both with respect to the design of new structures as well as for the rehabilitation and strengthening of existing ones. In North America, active research in the design of new highway bridges is focused on a number of specialty areas, including the replacement of steel reinforcing bars in concrete deck slabs by randomly distributed low-modulus fibers, and the replacement of steel prestressing cables for concrete components by tendons comprising super-strong fibers. Research is also being conducted on using FRPs to repair and strengthen existing structures.

Linear Integrated Circuits - D Choudhury Roy
2003

Designed Primarily For Courses In Operational Amplifier And Linear Integrated Circuits For Electrical, Electronic, Instrumentation And Computer Engineering And Applied Science Students. Includes Detailed Coverage Of Fabrication Technology Of Integrated Circuits.

Basic Principles Of Operational Amplifier, Internal Construction And Applications Have Been Discussed. Important Linear Ics Such As 555 Timer, 565 Phase-Locked Loop, Linear Voltage Regulator Ics 78/79 Xx And 723 Series D-A And A-D Converters Have Been Discussed In Individual Chapters. Each Topic Is Covered In Depth. Large Number Of Solved Problems, Review Questions And Experiments Are Given With Each Chapter For Better Understanding Of Text. Salient Features Of Second Edition * Additional Information Provided Wherever Necessary To Improve The Understanding Of Linear Ics. * Chapter 2 Has Been Thoroughly Revised. * Dc & Ac Analysis Of Differential Amplifier Has Been Discussed In Detail. * The Section On Current Mirrors Has Been Thoroughly Updated. * More Solved Examples, Pspice Programs And Answers To Selected Problems Have Been Added.

Developing Sustainable Digital Libraries: Socio-Technical Perspectives - Ashraf, Tariq

2010-03-31

"This book provides tools to complement an organization's burgeoning information treasuries, exploring new frontiers by looking at social and economic aspects of digital libraries and their sustainability"--Provided by publisher.

Digital Electronics - Anil K. Maini 2007-09-27

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, de-multiplexers, 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.

[Microprocessors & Microcontrollers](#) -

Nagoorkani 2012

UNIX Systems Programming for SVR4 - David Allan Curry 1996

Provides the nitty gritty details on how UNIX interacts with applications. Includes many extended examples on topics ranging from string manipulation to network programming

Advances in Computer Science for Engineering and Education II - Zhengbing Hu 2019-03-28

This book gathers high-quality, peer-reviewed research papers presented at the Second International Conference on Computer Science, Engineering and Education Applications (ICCSEEA2019), held in Kiev, Ukraine on 26–27 January 2019, and jointly organized by the National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” and the International Research Association of Modern Education and Computer Science. The papers discuss state-of-the-art topics and advances in computer science; neural networks; pattern

recognition; engineering techniques; genetic coding systems; deep learning and its medical applications; and knowledge representation and its applications in education. Given its scope, the book offers an excellent resource for researchers, engineers, management practitioners, and graduate and undergraduate students interested in computer science and its applications in engineering and education.

International Conference on Computer Networks and Communication Technologies - S. Smys 2019

The book features research papers presented at the International Conference on Computer Networks and Inventive Communication Technologies (ICCNCT 2018), offering significant contributions from researchers and practitioners in academia and industry. The topics covered include computer networks, network protocols and wireless networks, data communication technologies, and network security. Covering the main core and specialized

issues in the areas of next-generation wireless network design, control, and management, as well as in the areas of protection, assurance, and trust in information security practices, these proceedings are a valuable resource, for researchers, instructors, students, scientists, engineers, managers, and industry practitioners.

A Foundation Course in Human Values and Professional Ethics - R.R. Gaur 2010

Microprocessors and Microcomputers - Ronald J. Tocci 1979

Industrial Engineering And Management - O. P. Khanna 1980

Advances in Smart System Technologies - P. Suresh 2020-08-29

This book presents select peer-reviewed proceedings of the International Conference on Frontiers in Smart Systems Technologies

(ICFSST 2019). It focuses on latest research and cutting-edge technologies in smart systems and intelligent autonomous systems with advanced functionality. Comprising topics related to diverse aspects of smart technologies such as high security, reliability, miniaturization, energy consumption, and intelligent data processing, the book contains contributions from academics as well as industry. Given the range of the topics covered, this book will prove useful for students, researchers, and professionals alike.

Advanced Instrumentation, Data Interpretation, and Control of Biotechnological Processes - J.F. van Impe 2013-06-29

This book is the outgrowth of the COMETT II Course on Advanced Instrumentation, Data Interpretation, and Control of Biotechnological Processes organized by the Katholieke Universiteit Leuven and the Universiteit Gent, and held at Gent, Belgium, October 1994. The editors of the present volume were very fortunate to find all invited speakers prepared to

write state-of-the-art expositions based on their lectures. Special thanks are due to all of them. The result is an account of recent advances in instrumentation, data interpretation, and model based optimization and control of bioprocesses. For anyone interested in this emerging field, this text is of value and provides comprehensive reviews as well as new and important trends and directions for the future, motivated and illustrated by a wealth of applications. The typesetting of all this material represented a tremendous amount of work. I am most grateful to my wife, Myriam Uyttendaele, and to Kurt Gheys, who did most of the proof-reading. Their efforts have increased a lot the uniformity in style and presentation of the different manuscripts. Many thanks also to the co-editors, for their continued support. Kluwer Academic Publishers is gratefully acknowledged for publishing this book, thus contributing to the transfer of the latest research results into large scale industrial applications.

International Books in Print - 1992

Linux in a Nutshell - Ellen Siever 2005

Over the last few years, Linux has grown both as an operating system and a tool for personal and business use. Simultaneously becoming more user friendly and more powerful as a back-end system, Linux has achieved new plateaus: the newer filesystems have solidified, new commands and tools have appeared and become standard, and the desktop--including new desktop environments--have proved to be viable, stable, and readily accessible to even those who don't consider themselves computer gurus. Whether you're using Linux for personal software projects, for a small office or home office (often termed the SOHO environment), to provide services to a small group of colleagues, or to administer a site responsible for millions of email and web connections each day, you need quick access to information on a wide range of tools. This book covers all aspects of

administering and making effective use of Linux systems. Among its topics are booting, package management, and revision control. But foremost in Linux in a Nutshell are the utilities and commands that make Linux one of the most powerful and flexible systems available. Now in its fifth edition, Linux in a Nutshell brings users up-to-date with the current state of Linux. Considered by many to be the most complete and authoritative command reference for Linux available, the book covers all substantial user, programming, administration, and networking commands for the most common Linux distributions. Comprehensive but concise, the fifth edition has been updated to cover new features of major Linux distributions. Configuration information for the rapidly growing commercial network services and community update services is one of the subjects covered for the first time. But that's just the beginning. The book covers editors, shells, and LILO and GRUB boot options. There's also

coverage of Apache, Samba, Postfix, sendmail, CVS, Subversion, Emacs, vi, sed, gawk, and much more. Everything that system administrators, developers, and power users need to know about Linux is referenced here, and they will turn to this book again and again.

Introduction to Partial Differential

Equations - Donald Greenspan 2012-05-04

Designed for use in a 1-semester course by seniors and beginning graduate students, this rigorous presentation explores practical methods of solving differential equations, plus the unifying theory underlying the mathematical superstructure. Topics include basic concepts, Fourier series, 2nd-order partial differential equations, wave equation, potential equation, heat equation, and more. Includes exercises. 1961 edition.

Electronics Fundamentals and Applications - D. Chattopadhyay 2008

Handbook of Wireless Sensor Networks: Issues

and Challenges in Current Scenario's - Pradeep Kumar Singh 2020-02-08

This book explores various challenging problems and applications areas of wireless sensor networks (WSNs), and identifies the current issues and future research challenges.

Discussing the latest developments and advances, it covers all aspects of in WSNs, from architecture to protocols design, and from algorithm development to synchronization issues. As such the book is an essential reference resource for undergraduate and postgraduate students as well as scholars and academics working in the field.

Basic Electronics - BL Theraja 2007

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.

Futuristic Communication and Network Technologies - A. Sivasubramanian 2021-10-11

This book presents select proceedings of the International Conference on Futuristic Communication and Network Technologies (CFCNT 2020) conducted at Vellore Institute of Technology, Chennai. It covers various domains in communication engineering and networking technologies. This volume comprises of recent research in areas like optical communication, optical networks, optics and optical computing, emerging trends in photonics, MEMS and sensors, active and passive RF components and devices, antenna systems and applications, RF devices and antennas for microwave emerging

technologies, wireless communication for future networks, signal and image processing, machine learning/AI for networks, internet of intelligent things, network security and blockchain technologies. This book will be useful for researchers, professionals, and engineers working in the core areas of electronics and communication.

Advances in Signal Processing and Communication - Banmali S. Rawat 2018-11-19

This book is a collection of selected peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in

electronics and electrical engineering, as well as other allied fields.

DIGITAL ELECTRONICS: PRINCIPLES AND INTEGRATED CIRCUITS - Anil K. Maini 2007

Market_Desc: · Undergraduate and graduate level students of different universities
Special Features: · Each chapter in the book, whether it is related to operational fundamentals or applications, is amply illustrated with diagrams and design examples· Each chapter concludes in a comprehensive self-evaluation exercise comprising multiple-choice questions (with answers) and other type of objective type questions (with answers)· Unlike most of the books in print on the subject that are either too brief, lacking in illustrated examples and examination-oriented study material, or too voluminous, containing lot of redundant material, the book has been written keeping in mind the topics taught in the subject and covers in entirety what is required by undergraduate and graduate level students of engineering in

electrical, electronics, instrumentation and control, computer science and information technology disciplines About The Book: Digital Electronics is a precise and yet complete book covering both Digital Electronics Fundamentals and Integrated Circuits. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. Each chapter in the book is amply illustrated with diagrams and design examples. Each chapter concludes in a comprehensive self-evaluation exercise comprising multiple-choice and objective type questions (with answers). The book has up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, and microcontrollers. This valuable reference book provides in-depth information about multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data

conversion circuits.

Principles of Digital Electronics - K. Meena 2009

This book teaches the basic principles of digital circuits. It is appropriate for an introductory course in digital electronics for the students of: • B.Sc. (Computer Science) • B.Sc. (Electronics) • B.Sc. (Information Technology) • B.Sc. (Physics) • Bachelor of Computer Applications (BCA) • Postgraduate Diploma in Computer Applications • Master of Computer Applications (MCA) The book emphasizes the must know concepts that should be covered in an introductory course and provides an abundance of clearly explained examples, so essential for a thorough understanding of the principles involved in the analysis and design of digital computers. The book takes students step-by-step through digital theory, focusing on: » Number representation systems and codes for representing information in digital systems » Use of logic gates in building digital circuits » Basic postulates and theorems of Boolean algebra » Karnaugh map method for

simplifying Boolean functions » Arithmetic circuits such as adders and subtractors » Combinational circuit building blocks such as multiplexers, decoders and encoders » Sequential circuit building blocks such as flip-flops, counters and registers » Operation of memory elements such as RAM, DRAM, magnetic disk, magnetic bubble, optical disk, etc. 1. Number Systems and Codes 2. Logic Gates and Circuits 3. Boolean Algebra 4. Combinational Logic Circuits 5. Sequential Logic Circuits 6. Counters and Shift Registers 7.

MEMORY ELEMENTS

Allied Physics Paper I & II - R Murugesan 2005

Paper-I | Waves & Oscillations | Properties Of Matters | Thermal Physics | Electricity And Magnetism | Geometrical Optics | Paper-II | Physical Optics | Atomic Physics | Nuclear Physics | Elements Of Relativity And Quantum Mechanics | Electronics Practical Physics | Young'S Modulus By Non-Uniform Bending |

Young'S Modulus (E) Non-Uniform Bending | Rigidity Modulus (Static Torsion Method)|Rigidity Modulus By Torsional Oscillations | Surface Tension And Interfacial Surface Tension Drop Weight Method | Comparison Of Viscosities Of Two Liquids—Burette Method | Specific Heat Capacity Of A Liquid | Sonometer— Frequency Of A.C. Mains | Determination Of Radius Of Curvature | Air Wedge — Thickness Of A Wire | Spectrometer-Diffraction On Gravity- Wavelength Of Hg Lines | Potentiometer-Voltmeter Calibration | Post Office Box-Measure Of Resistance And Specific Resistance | Ballistic Galvanometer Figure Of Merit | Logic Gates And, Or, Not | Zener Diode Characteristics | Nand Gate As A Universal Gate

Computer Architecture - John L. Hennessy 2012

The computing world today is in the middle of a revolution: mobile clients and cloud computing have emerged as the dominant paradigms

driving programming and hardware innovation today. The Fifth Edition of Computer Architecture focuses on this dramatic shift, exploring the ways in which software and technology in the cloud are accessed by cell phones, tablets, laptops, and other mobile computing devices. Each chapter includes two real-world examples, one mobile and one datacenter, to illustrate this revolutionary change. Updated to cover the mobile computing revolution Emphasizes the two most important topics in architecture today: memory hierarchy and parallelism in all its forms. Develops common themes throughout each chapter: power, performance, cost, dependability, protection, programming models, and emerging trends ("What's Next") Includes three review appendices in the printed text. Additional reference appendices are available online. Includes updated Case Studies and completely new exercises.

COMPUTER ORIENTED NUMERICAL

METHODS - RAJARAMAN, V. 2018-11-01

This book is a concise and lucid introduction to computer oriented numerical methods with well-chosen graphical illustrations that give an insight into the mechanism of various methods. The book develops computational algorithms for solving non-linear algebraic equation, sets of linear equations, curve-fitting, integration, differentiation, and solving ordinary differential equations. **OUTSTANDING FEATURES** • Elementary presentation of numerical methods using computers for solving a variety of problems for students who have only basic level knowledge of mathematics. • Geometrical illustrations used to explain how numerical algorithms are evolved. • Emphasis on implementation of numerical algorithm on computers. • Detailed discussion of IEEE standard for representing floating point numbers. • Algorithms derived and presented using a simple English based structured language. • Truncation and rounding errors in

numerical calculations explained. • Each chapter starts with learning goals and all methods illustrated with numerical examples. • Appendix gives pointers to open source libraries for numerical computation.

A Practical Guide to Borehole Geophysics in Environmental Investigations - W. Scott Keys
2017-12-06

Borehole geophysics is frequently applied in hydrogeological environmental investigations where, for example, sites must be evaluated to determine the distribution of contaminants. It is a cost-effective method for obtaining information during several phases of such investigations. Written by one of world's leading experts in the field, *A Practical Guide to Borehole Geophysics in Environmental Investigations* explains the basic principles of the many tools and techniques used in borehole logging projects. Applications are presented in terms of broad project objectives, providing a hands-on guide to geophysical logging programs, including specific

examples of how to obtain and interpret data that meet particular hydrogeologic objectives.

Current Programs - 1977

Hands-On Electronics - Daniel M. Kaplan
2003-05-15

Packed full of real circuits to build and test, *Hands-On Electronics* is a unique introduction to analog and digital electronics theory and practice. Ideal both as a college textbook and for self-study, the friendly style, clear illustrations and construction details included in the book encourage rapid and effective learning of analog and digital circuit design theory. All the major topics for a typical one semester course are covered including RC circuits, diodes, transistors, op-amps, oscillators, TTL logic, counters, D/A converters and more. There are also chapters explaining how to use the equipment needed for the examples (oscilloscope, multimeter and breadboard) together with pin-out diagrams and

manufacturers' specifications for all the key components referred to in the book.

Essentials of Electronic Testing for Digital, Memory and Mixed-Signal VLSI Circuits - M. Bushnell 2006-04-11

The modern electronic testing has a forty year history. Test professionals hold some fairly large conferences and numerous workshops, have a journal, and there are over one hundred books on testing. Still, a full course on testing is offered only at a few universities, mostly by professors who have a research interest in this area. Apparently, most professors would not have taken a course on electronic testing when they were students. Other than the computer engineering curriculum being too crowded, the major reason cited for the absence of a course on electronic testing is the lack of a suitable textbook. For VLSI the foundation was provided by semiconductor device technology, circuit design, and electronic testing. In a computer engineering curriculum, therefore, it is

necessary that foundations should be taught before applications. The field of VLSI has expanded to systems-on-a-chip, which include digital, memory, and mixed-signalsubsystems. To our knowledge this is the first textbook to cover all three types of electronic circuits. We have written this textbook for an undergraduate “foundations” course on electronic testing. Obviously, it is too voluminous for a one-semester course and a teacher will have to select from the topics. We did not restrict such freedom because the selection may depend upon the individual expertise and interests. Besides, there is merit in having a larger book that will retain its usefulness for the owner even after the completion of the course. With equal tenacity, we address the needs of three other groups of readers.

Fundamentals of Computer - Rajaraman V 1996

ELECTRONICS - I. J. NAGRATH 2013-09-13

The second edition of this book has been

updated and enlarged, especially the chapters on digital electronics. In the analog part, several additions have been made wherever necessary. Also, optical devices and circuits have been introduced. Analog electronics spans semiconductors, diodes, transistors, small and large-signal amplifiers, OPAMPs and their applications. Both BJT and JFET, and MOSFET are treated parallelly so as to highlight their similarities and dissimilarities for thorough understanding of their parameters and specifications. The digital electronics covers logic gates, combinational circuits, IC families, number systems codes, adders/subtractors, flip-flops, registers and counters. Sequential circuits, memories and D/A and A/D convertor circuits are especially stressed. Fabrication technology of integrated devices and circuits have also been dealt with. Besides, many new examples and problems have been added section-wise. The text is written in simple yet rigorous manner with profusion of illustrative examples as an aid to

clear understanding. The student can self-study several portions of the book with minimal guidance. A solution manual is available for the teachers.

Programming in C: A Practical Approach - Mittal, Ajay 2010

Programming in C: A Practical Approach has a perfect blend of theory as well as practical knowledge. The presentation has been done in such a way that it helps the readers to learn the concepts through practice and programming. SWITCHING THEORY AND LOGIC DESIGN - A. ANAND KUMAR 2014-03-06

This comprehensive text on switching theory and logic design is designed for the undergraduate students of electronics and communication engineering, electrical and electronics engineering, electronics and instrumentation engineering, telecommunication engineering, computer science and engineering, and information technology. It will also be useful to AMIE, IETE and diploma students. Written in a

student-friendly style, this book, now in its Second Edition, provides an in-depth knowledge of switching theory and the design techniques of digital circuits. Striking a balance between theory and practice, it covers topics ranging from number systems, binary codes, logic gates and Boolean algebra to minimization using K-maps and tabular method, design of combinational logic circuits, synchronous and asynchronous sequential circuits, and algorithmic state machines. The book discusses threshold gates and programmable logic devices (PLDs). In addition, it elaborates on flip-flops and shift registers. Each chapter includes several fully worked-out examples so that the students get a thorough grounding in related design concepts. Short questions with answers, review questions, fill in the blanks, multiple choice questions and problems are provided at the end of each chapter. These help the students test their level of understanding of the subject and prepare for examinations confidently. NEW

TO THIS EDITION • VHDL programs at the end of each chapter • Complete answers with figures • Several new problems with answers

Digital Principles and Circuits - C. B. Agarwal
2006

Digital Principle and Circuits introduces the reader with the basic principles and circuits of digital electronics in a systematic, comprehensive and easy-to-follow manner. The reader is simply required to have a prior knowledge of semiconductor theory. The book is well-organized self-contained and covers almost all the aspects of subject. To clarify the intricacies of concepts, a large number of explanatory figures (numbering over 400), a variety of solved examples (numbering over 150) and multiple-choice objective questions counter circuits and their designing, TTL, ECL, NMOS digital IC families.

Basic Environmental Engineering - R. C. Gaur
2008

FUNDAMENTALS OF DIGITAL CIRCUITS -

A. ANAND KUMAR, 2016-07-18

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.