

Digital Electronics R P Jain Ebook

Vector Spaces, Matrices and Tensors in Physics
 Digital Electronics
 Digital Electronics Practice Using Integrated Circuits
 CMOS/TTL Digital Systems Design
 Digital Principles and Logic Design
 Switching Theory & Logic Design
 Basic Digital Electronics
 Computer Logic Design
 Digital Logic
 Interface Fundamentals in Microprocessor-Controlled Systems
 Digital Logic Design
 Digital Electronics
 Allied Physics Paper I & II
 Proceedings of the International Conference on Systems, Science, Control, Communication, Engineering and Technology 2015
 Digital Integrated Electronics
 Digital Electronic Circuits
 Basic Concepts in Digital Electronics and Logic Design
 Chanakya Neeti
 Digital Electronics and Microprocessors
 FUNDAMENTALS OF DIGITAL CIRCUITS
 PULSE AND DIGITAL CIRCUITS
 Modern Digital Electronics 4E
 ELECTRONICS
 Digital Design
 Digital Fundamentals
 Modern Digital Electronics
 A Textbook of Digital Electronics
 SWITCHING THEORY AND LOGIC DESIGN
 Digital Logic and Computer Design
 DIGITAL ELECTRONICS PRACTICE USING INTEGRATED CIRCUITS
 Digital Design
 Indian Journal of Pure & Applied Physics
 Modern Digital Electronics
 Digital Circuits And Design, 3E
 CONTROL SYSTEMS
 Digital Design and Computer Organisation
 Digital Computer Electronics
 Digital Logic Design (gtu)
 Digital Electronics—GATE, PSUS AND ES Examination

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JOYCE ADRIENNE

Vector Spaces, Matrices and Tensors in Physics Prentice Hall
 Paper-I | Waves & Oscillations | Properties Of Matter | 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

Digital Electronics Modern Digital Electronics 4E

One of the greatest figures of wisdom and knowledge in the Indian history is Chanakya. Chanakya
 is regarded as a great thinker and diplomat in India who is traditionally identified as Kautilya or
 Vishnu Gupta. Originally a professor of economics and political science at the ancient Takshashila
 University, Chanakya managed the first Maurya Emperor Chandragupta's rise to power at a young
 age. Instead of acquiring the seat of kingdom for himself, he crowned Chandragupta Maurya as the
 emperor and served as his chief advisor. Chanakya Neeti is a treatise on the ideal way of life, and
 shows Chanakya's deep study of the Indian way of life. These practical and powerful strategies
 provide a path to live an orderly and planned life. If these strategies are followed in any sphere of
 life, victory is certain. Chanakya also developed Neeti-Sutras (aphorisms ? pithy sentences) that
 tell people how they should behave. Chanakya used these sutras to groom Chandragupta and
 other selected disciples in the art of ruling a kingdom. But these sutras are also relevant in this
 modern age and are very useful for us. For the first time, Chanakya Neeti and Chanakya Sutras are
 compiled in this book to make Chanakya's invaluable wisdom easily available to the common
 readers. This book presents Chanakya's powerful strategies and principles in a very lucid manner

for the benefit of our valuable readers.

Digital Electronics Practice Using Integrated Circuits Diamond Pocket Books (P) Ltd.
 Number Systems and Codes Philosophy of number systems - complement representation of
 negative numbers - binary arithmetic - binary codes - error detecting and error correcting codes -
 hamming codes. Boolean Algebra and Switching Functions Fundamental postulates of Boolean
 Algebra-Basic theorems and properties - switching functions - Canonical and Standard forms -
 Algebraic simplification - digital logic gates, properties of XOR gates - universal gates - Multilevel
 NAND/NOR realizations. Minimization of Switching Functions Map method, Prime implicants, Don't
 care combinations, Minimal SOP and POS forms, Tabular Method, Prime - Implicant chart,
 simplification rules. Combinational Logic Design Design using conventional logic gates, Encoder,
 Decoder, Multiplexer, De-Multiplexer, Modular design IC chips, MUX Realization of switching
 functions Parity bit generator, Code-converters, Hazards and hazard free
 realizations. Programmable Logic Devices, Threshold Logic Basic PLD's-ROM, PROM, PLA, PLD
 Realization of Switching functions using PLD's. Capabilities and limitations of Threshold gate,
 Synthesis of Threshold functions, Multigate Synthesis. Sequential Circuits - I Classification of

sequential circuits (Synchronous, Asynchronous, Pulse mode, Level mode with examples) Basic flop-flops-Triggering and excitation tables. Steps in synchronous sequential circuit design. Design of modulo-N Ring and shift counters, Serial binary adder, sequence detector. Sequential Circuits - II Finite state machine-capabilities and limitations, Mealy and Moore models-minimization of completely specified and incompletely specified sequential machines, Partition techniques and Merger chart methods-concept of minimal cover table. Algorithmic State Machines Salient features of the ASM chart-Simple examples-System design using data path and control subsystems-control implementations-examples of Weighing machine and Binary multiplier.

CMOS/TTL Digital Systems Design Tata McGraw-Hill Education

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.

Digital Principles and Logic Design Springer Science & Business Media

Digital Design and Computer Organization introduces digital design as it applies to the creation of computer systems. It summarizes the tools of logic design and their mathematical basis, along with in depth coverage of combinational and sequential circuits. The book includes an accompanying CD that includes the majority of circuits highlighted in the text, delivering you hands-on experience in the simulation and observation of circuit functionality. These circuits were designed and tested with a user-friendly Electronics Workbench package (Multisim Textbook Edition) that enables your progression from truth tables onward to more complex designs. This volume differs from traditional digital design texts by providing a complete design of an AC-based CPU, allowing you to apply digital design directly to computer architecture. The book makes minimal reference to electrical properties and is vendor independent, allowing emphasis on the general design principles.

Switching Theory & Logic Design Pearson Education India

Digital electronics is an interdisciplinary subject of electronics, electrical, information technology, computer science engineering and sciences domain. Digital Electronics has been written as per the syllabus of Digital Electronics, Digital Circuits and Logic Design of various universities like PTU, GNDU, PU, SLIET, DU, PEC, NITs and Thapar University. The book provides a comprehensive coverage of the fundamental aspects of digital electronics. It not only explores the theoretical and practical aspects of digital circuitry, but also gives a glimpse of experience and classroom interaction of the authors. Besides, the step-by-step methods to solve the digital system problems, it also includes the shortcut methods to digital approach for job interviews and competitive examinations. This book is invaluable for BE, B.Tech., B.Sc., M.Sc. (Computer Science/IT), M.Sc. (Physics), M.Sc. (Electronics), BCA, MCA, PGDCA and PGDIT students.

Basic Digital Electronics Elsevier

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.

Computer Logic Design Prentice Hall

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

Walter de Gruyter GmbH & Co KG

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.

Digital Logic Association of Scientists, Developers and Faculties (ASDF)

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.

Interface Fundamentals in Microprocessor-Controlled Systems Vikas Publishing House

This book on "Basic Concepts in Digital Electronics and Logic Design" has been specially written to meet the requirements of the, Diploma-Tech., M-Tech students and research scholar of all Indian universities. The subject matter has been discussed in such a simple way that the students will find no difficulty to understand it This Book has been designed to understand the Basic Concepts in Digital Electronics and Logic Design, to let students to understand the core concepts with examples. The objective of the book are to provide a clear explanation of the operations of all logic devices in general use on today and to impart knowledge of digital electronics. The text has been written in a style to enable students to self study. The text of the book is simple and lucid. Solved examples are provided throughout the book to assist the students to assimilate the material covered. Highlights are given at the end of almost each chapter.

Digital Logic Design Tata McGraw-Hill Education

ICSSET 2015 will be the most comprehensive conference focused on the various aspects of advances in Systems, Science, Management, Medical Sciences, Communication, Engineering, Technology, Interdisciplinary Research Theory and Technology. This Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Interdisciplinary Research Theory and Technology. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject. The goal of this conference is to bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Interdisciplinary Research Theory and Technology.

Digital Electronics PHI Learning Pvt. Ltd.

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

Allied Physics Paper I & II Lulu.com

With the advent of integrated circuit technology, the importance and usefulness of digital electronics has vastly increased. The size, cost and power dissipation have been reduced in the ratio of 2,000:1 and the performance, reliability and efficiency of equipment increased tremendously. This book gives a basic concept of digital techniques and then introduces simple function to complex functions. It uses SSI and MSI, TTL ICs of the most commonly available 54/74 series. The book will be useful to students of electronics and computer technology, as well as to practicing engineers and technicians.

Proceedings of the International Conference on Systems, Science, Control, Communication, Engineering and Technology 2015 Pearson Academic

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Digital Integrated Electronics John Wiley & Sons

This comprehensive text on control systems is designed for undergraduate students pursuing courses in electronics and communication engineering, electrical and electronics engineering, telecommunication engineering, electronics and instrumentation engineering, mechanical engineering, and biomedical engineering. Appropriate for self-study, the book will also be useful for AMIE and IETE students. Written in a student-friendly readable manner, the book, now in its Second Edition, explains the basic fundamentals and concepts of control systems in a clearly understandable form. It is a balanced survey of theory aimed to provide the students with an in-depth insight into system behaviour and control of continuous-time control systems. All the solved and unsolved problems in this book are classroom tested, designed to illustrate the topics in a clear and thorough way. NEW TO THIS EDITION • One new chapter on Digital control systems • Complete answers with figures • Root locus plots and Nyquist plots redrawn as per MATLAB output • MATLAB programs at the end of each chapter • Glossary at the end of chapters KEY FEATURES • Includes several fully worked-out examples to help students master the concepts involved. • Provides short questions with answers at the end of each chapter to help students prepare for exams confidently. • Offers fill in the blanks and objective type questions with answers at the end of each chapter to quiz students on key learning points. • Gives chapter-end review questions and problems to assist students in reinforcing their knowledge. Solution Manual is available for adopting faculty.

Digital Electronic Circuits Tata McGraw-Hill Education

Very Good, No Highlights or Markup, all pages are intact.

Basic Concepts in Digital Electronics and Logic Design PHI Learning Pvt. Ltd.

This book presents three aspects of digital circuits: digital principles, digital electronics, and digital design. The modern design methods of using electronic design automation (EDA) are also introduced, including the hardware description language (HDL), designs with programmable logic devices and large scale integrated circuit (LSI). The applications of digital devices and integrated circuits are discussed in detail as well.

Chanakya Neeti Prentice Hall
Modern Digital Electronics 4E Tata McGraw-Hill Education
Modern Digital Electronics
Modern Digital Electronics
Digital Electronics John Wiley & Sons

Digital Electronics and Microprocessors I K International Pvt Limited
For sophomore courses on digital design in an Electrical Engineering, Computer Engineering, or
Computer Science department. & Digital Design, fourth 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.