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The textbook has been designed for the undergraduate students of Electrical and Electronics, Electronics and Communication, Computer Science, Electronics and Instrumentation, Information Technology and Electronics and Control Engineering. This book provides an accessible and practical treatment to many combinational and sequential circuits. Each topic has been discussed in sufficient depth to expose the fundamental principles, concepts, techniques which are necessary to understand the subject thoroughly.

Salient Features of the Book Numerous worked-out examples highlight the need for intelligent approximation to achieve more accuracy in lesser time. Short answer questions at the end of each chapter help in easy understanding of the subject. Large number of review questions and unsolved problems to develop a clear understanding of basic principles. Previous GATE paper solutions are the unique feature of this book.

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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.

Teaching and Learning in a Digital World Vikas Publishing House

Designed to provide a comprehensive and practical insight to the basic concepts of Digital Electronics, this book brings together information on theory,

operational aspects and practical applications of digital circuits in a succinct style that is suitable for undergraduate students. Spread across 16 chapters, the book walks the student through the first principles and the Karnaugh mapping reduction technique before proceeding to elaborate on the design and implementation of complex digital circuits. With ample examples and exercises to reinforce theory and an exclusive chapter allotted for electronic experiments, this textbook is an ideal classroom companion for students.

Introduction to Digital Electronics, 1/e CHANGDER OUTLINE

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