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NOTE: The exam this book covered, CASP: CompTIA Advanced Security Practitioner (Exam CAS-002), was retired by CompTIA in 2019 and is no

longer offered. For coverage of the current exam CASP+ CompTIA Advanced Security Practitioner: Exam CAS-003, Third Edition, please look for the latest edition of this guide: CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition (9781119477648). CASP: CompTIA Advanced Security Practitioner Study Guide: CAS-002 is the updated edition of the bestselling book covering the CASP certification exam. CompTIA approved, this guide covers all of the CASP exam objectives with clear, concise, thorough information on crucial security topics. With practical examples and insights drawn from real-world experience, the book is a comprehensive study resource with authoritative coverage of key concepts. Exam highlights, end-of-chapter reviews, and a searchable glossary help with information retention, and cutting-edge exam prep software offers electronic flashcards and hundreds of bonus practice questions. Additional hands-on lab exercises mimic the exam's focus on practical application, providing extra opportunities for readers to test their skills. CASP is a DoD 8570.1-recognized security certification that validates the skillset of advanced-level IT security professionals. The exam measures the technical knowledge and skills required to conceptualize, design, and engineer secure solutions across complex enterprise environments, as well as the ability to think critically and apply good judgment across a broad spectrum of security disciplines. This study guide helps CASP candidates thoroughly prepare for the exam, providing the opportunity to: Master risk management and incident response Sharpen research and analysis skills Integrate computing with communications and business Review enterprise management and technical component integration Experts predict a 45-fold increase in digital data by 2020, with one-third of all information passing through the cloud. Data has never been so vulnerable, and the demand for certified security professionals is increasing quickly. The CASP proves an IT professional's skills, but getting that certification requires thorough preparation. This CASP study guide provides the information and practice that eliminate surprises on exam day. Also available as a set, Security Practitioner & Cryptography Set, 9781119071549 with Applied Cryptography: Protocols, Algorithms, and Source Code in C, 2nd Edition. Abstract: "The Cube Analyzer is a group of programs designed to analyze three-dimensional tomographic data such as CT, PET and MRI scans. It is

designed to work on a Unix workstation running X-windows, and was programmed in C. Cube Analyzer provides the user with an interactive system by which he can view the scans, define regions of interest (ROI), and extract data. The system can be used alone to analyze images, or combined with the elastic matching software package to analyze computer-generated ROI's." A Practical Guide to Instrumental Analysis covers basic methods of instrumental analysis, including electroanalytical techniques, optical techniques, atomic spectroscopy, X-ray diffraction, thermoanalytical techniques, separation techniques, and flow analytical techniques. Each chapter provides a brief theoretical introduction followed by basic and special application experiments. This book is ideal for readers who need a knowledge of special techniques in order to use instrumental methods to conduct their own analytical tasks.

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The Laboratory Manual to Accompany Access Control, Authentication, and Public Key Infrastructure is the lab companion to the Information Systems and Security Series title, Auditing IT Infrastructure for Compliance. It provides hands-on exercises, each with measurable learning outcomes. About the Series Visit www.issaseries.com for a complete look at the series! The Jones & Bartlett Learning Information System & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current, forward-thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow.

This third edition laboratory manual was written to accompany Food Analysis, Fifth Edition, by the same author. New to this third edition of the laboratory manual are four introductory chapters that complement both the textbook chapters and the laboratory exercises. The 24 laboratory exercises in the manual cover 21 of the 35 chapters in the textbook. Many of the laboratory exercises have multiple sections to cover several methods of analysis for a particular food component or characteristic. Most of the laboratory exercises include the following: background, reading assignment, objective, principle of method,

chemicals, reagents, precautions and waste disposal, supplies, equipment, procedure, data and calculations, questions, and references. This laboratory manual is ideal for the laboratory portion of undergraduate courses in food analysis. A popular book in its first edition, *The Food Chemistry Laboratory: A Manual for Experimental Foods, Dietetics, and Food Scientists, Second Edition* continues to provide students with practical knowledge of the fundamentals of designing, executing, and reporting the results of a research project. Presenting experiments that can be completed, in many cases, without requiring extensive student laboratory facilities, the authors include new exercises in the areas of physical properties, lipids, proteins, and gelatin. Also new in this edition are a brief introduction to each laboratory exercise and a listing of materials needed, approximate time needed for completion, and possible complications and/or pitfalls. Tested and refined for over 20 years, and performed by thousands of students, experiments are presented within 12 planned laboratory sessions. This flexible format allows you to create your own laboratory sessions by choosing the number and order of sessions and experiments to be performed. In addition to the well-tested experiments, *The Food Chemistry Laboratory, Second Edition* provides students with information on accessing food chemistry literature, research proposal preparation, preparing oral and written technical reports, and an evaluation score sheet. Guidelines for preparing laboratory notebooks are also included and a handy appendix allows rapid access to directions for setting up a difference testing experiment. *The Food Chemistry Laboratory* illustrates chemical and physical properties and behavior of food constituents and additives. It is filled with guides and experiments, and its unique design allows you to structure individualized laboratories. Directions for independent research in food chemistry are also included.

UNDERSTAND PHYSICAL AND CHEMICAL PROPERTIES THROUGH LABORATORY EXPERIMENTS Unlike most food chemistry manuals that deal with food analysis, *The Food Chemistry Laboratory* focuses on the physical and chemical properties of foods and ingredients. Twelve planned laboratory sessions cover a wide range of experiments that teach basic principles of food chemistry. Choose the number and order of sessions and experiments to be performed-this flexible format allows you to create your own laboratory sessions. Laboratory sessions

investigate topics such as sensory and objective evaluations of foods, physical properties of foods, dispersion of matter, lipids, amino acids, proteins, Maillard Browning, gelatin, carbohydrates, and much more. COMPLETE WITH VALUABLE GUIDELINES AND EQUIPMENT GUIDE

A detailed equipment guide describes the uses and operation instructions for 21 instruments commonly used to evaluate food properties. Instruction on sensory evaluation of foods is also provided. The equipment guide covers the Brookfield viscometer, penetrometer, water activating system, texture analyzer, hydrometer, and pH meter, just to name a few. And there's more! The Food Chemistry Laboratory contains information on accessing food chemistry literature, research proposal preparation, guides for preparing oral and written technical reports, and an evaluation score sheet. Guidelines for preparing laboratory notebooks are also included and a handy appendix allows rapid access to directions for setting up a difference testings experiment. This is a must-have manual for students of food science, nutrition, and dietetics-anyone who needs to know sensory and objective methods, equipment procedures, and how to conduct independent research in food chemistry. This leading-edge circuit design resource offers the knowledge needed to quickly pinpoint transmission problems that can compromise circuit design. Discusses both design and debug issues at gigabit per second data rates. The Laboratory Manual to Accompany Security Strategies in Windows Platforms and Applications is the lab companion to the Information Systems and Security Series title, Security Strategies in Windows Platforms and Applications. It provides hands-on exercises using the Jones & Bartlett Learning Virtual Security Cloud Labs, that provide real-world experience with measurable learning outcomes. About the Series: Visit www.issaseries.com for a complete look at the series! The Jones & Bartlett Learning Information System & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current forward-thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow. A Laboratory Manual of Analytical Methods of Protein Chemistry, Volume 5 presents

the laboratory techniques for protein and polypeptide study. This book discusses the staining procedure for histones, which has a high degree of selectivity for basic proteins and the unique ability to visualize qualitative differences in terms of color changes. Organized into four chapters, this volume begins with an overview of the formalin-mediated ammoniacal-silver staining procedure as a selective stain for basic proteins and its application per cell and per extract. This text then examines the optical rotatory dispersion (ORD), which has advanced into a powerful tool for describing the conformations and conformational changes of biopolymers. Other chapters consider the application of ultrasensitive calorimetry to thermodynamic problems. This book discusses as well the principle of the technique, its instrumentation, and experimental procedures. The final chapter deals with the hydrodynamic densities and preferential hydration values for protein precipitates in concentrated salt solutions. This book is a valuable resource for chemists and biochemists. The Lab Manual for 70-228 MCSE GUIDE TO MS SQL SERVER 2000 ADMINISTRATION, 1st Edition, is a valuable tool designed to enhance your classroom experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, review questions and more are all included. A condensed, student-friendly version of Tietz Textbook of Clinical Chemistry, this text uses a laboratory perspective to provide you with the chemistry fundamentals you need to work in a real-world, clinical lab. Accurate chemical structures are included to explain the key chemical features of relevant molecules. Offering complete, accurate coverage of key topics in the field, it's everything that you expect from the Tietz name This laboratory manual is carefully coordinated to the text Electronic Devices, Tenth edition, Global edition, by Thomas L. Floyd. The seventeen experiments correspond to the chapters in the text (except the first experiment references Chapters 1 and the first part of Chapter 2). All of the experiments are subdivided into two or three "Parts." With one exception (Experiment 12-B), the Parts for the all experiments are completely independent of each other. The instructor can assign any or all Parts of these experiments, and in any order. This format provides flexibility depending on the schedule, laboratory time available, and course objectives. In addition, experiments 12 through 16 provide two options for experiments. These five experiments are divided into two major

sections identified as A or B. The A experiments continue with the format of previous experiments; they are constructed with discrete components on standard protoboards as used in most electronic teaching laboratories. The A experiments can be assigned in programs where traditional devices are emphasized. Each B experiment has a similar format to the corresponding A experiment, but uses a programmable Analog Signal Processor (ASP) that is controlled by (free) Computer Aided Design (CAD) software from the Anadigm company (www.anadigm.com). These experiments support the Programmable Analog Design feature in the textbook. The B experiments are also subdivided into independent Parts, but Experiment 12-B, Part 1, is a software tutorial and should be performed before any other B experiments. This is an excellent way to introduce the ASP technology because no other hardware is required other than a computer running the downloaded software. In addition to Experiment 12-B, the first 13 steps of Experiment 15-B, Part 2, are also tutorial in nature for the AnadigmFilter program. This is an amazing active filter design tool that is easy to learn and is included with the AnadigmDesigner2 (AD2) CAD software. The ASP is part of a Programmable Analog Module (PAM) circuit board from the Servenger company (www.servenger.com) that interfaces to a personal computer. The PAM is controlled by the AD2 CAD software from the Anadigm company website. Except for Experiment 12-B, Part 1, it is assumed that the PAM is connected to the PC and AnadigmDesigner2 is running. Experiment 16-B, Part 3, also requires a spreadsheet program such as Microsoft® Excel®. The PAM is described in detail in the Quick Start Guide (Appendix B). Instructors may choose to mix A and B experiments with no loss in continuity, depending on course objectives and time. We recommend that Experiment 12-B, Part 1, be assigned if you want students to have an introduction to the ASP without requiring a hardware purchase. A text feature is the Device Application (DA) at the end of most chapters. All of the DAs have a related laboratory exercise using a similar circuit that is sometimes simplified to make laboratory time as efficient as possible. The same text icon identifies the related DA exercise in the lab manual. One issue is the trend of industry to smaller surface-mount devices, which are very difficult to work with and are not practical for most lab work. For example, almost all varactors are supplied as surface mount

devices now. In reviewing each experiment, we have found components that can illustrate the device function with a traditional one. The traditional through-hole MV2109 varactor is listed as obsolete, but will be available for the foreseeable future from Electronix Express (www.elexp.com), so it is called out in Experiment 3. All components are available from Electronix Express (www.elexp.com) as a kit of parts (see list in Appendix A). The format for each experiment has not changed from the last edition and is as follows:

- **Introduction:** A brief discussion about the experiment and comments about each of the independent Parts that follow.
- **Reading:** Reading assignment in the Floyd text related to the experiment.
- **Key Objectives:** A statement specific to each Part of the experiment of what the student should be able to do.
- **Components Needed:** A list components and small items required for each Part but not including the equipment found at a typical lab station. Particular care has been exercised to select materials that are readily available and reusable, keeping cost at a minimum.
- **Parts:** There are two or three independent parts to each experiment. Needed tables, graphs, and figures are positioned close to the first referenced location to avoid confusion. Step numbering starts fresh with each Part, but figures and tables are numbered sequentially for the entire experiment to avoid multiple figures with the same number.
- **Conclusion:** At the end of each Part, space is provided for a written conclusion.
- **Questions:** Each Part includes several questions that require the student to draw upon the laboratory work and check his or her understanding of the concepts. Troubleshooting questions are frequently presented.
- **Multisim Simulation:** At the end of each A experiment (except #1), one or more circuits are simulated in a Multisim computer simulation. New Multisim troubleshooting problems have been added to this edition. Multisim troubleshooting files are identified with the suffix f1, f2, etc., in the file name (standing for fault1, fault2, etc.). Other files, with nf as the suffix include demonstrations or practice using instruments such as the Bode Plotter and the Spectrum Analyzer. A special icon is shown with all figures that are related to the Multisim simulation. Multisim files are found on the website: www.pearsonglobaledition.com/Floyd. Microsoft PowerPoint® slides are available at no cost to instructors for all experiments. The slides reinforce the experiments with troubleshooting questions and a related problem and are available on the instructor's

resource site. Each laboratory station should contain a dual-variable regulated power supply, a function generator, a multimeter, and a dual-channel oscilloscope. A list of all required materials is given in Appendix A along with information on acquiring the PAM. As mentioned, components are also available as a kit from Electronix Express; the kit number is 32DBEDFL10. In recent years there has been a widespread implementation of a new generation of hematology analyzers in the laboratory. These modern cell counters have contributed significantly to our ability to automatically and precisely measure a variety of characteristics in different cell types, including leukocyte sub-classes which were previously determined only microscopically. With this revolution in the hematology laboratory, there have been enormous cost savings and there is clearly an opportunity to improve the quality of service. Here, the authors present a practical guide for the hematology laboratory professional. They review the technology used in the new devices and the integration of the analyzers into the laboratory. Performance of these counters and quality assurance strategies are also discussed, paying particular attention to the state of the art technology, its merits and the potential for future advances. At present there is no other single guide to modern hematological cell counters which focuses on laboratory practice and treats all available technologies in depth. This text, written by authors who are internationally recognized for their research in this area, will have a wide audience including laboratory directors, hematologists, pathologists, administrators, technologists and technicians involved in hematology and diagnostic testing, medical practitioners and groups handling pharmaceutical trials. A practical manual for the design, implementation, and maintenance of on-line process analyzers. This plant-level, problem-solving book covers every step of the instrumentation process--selection of components, design and engineering of analyzers, installation of the instrumentation, and operation and maintenance of the system. Describes the fundamental analytical methods most often used in chemical and related manufacturing industries, the common derived methods, sample systems, and the practicalities of project management for analyzer design and implementation. Chapters are independent--each system can be studied alone, making this manual handy for diverse applications. The definitive and essential source of reference for all laboratories involved

in the analysis of human semen. The CCNA® Voice certification expands your CCNA-level skill set to prepare for a career in voice networking. This lab manual helps to prepare you for the Introducing Cisco Voice and Unified Communications Administration (ICOMM v8.0) certification exam (640-461). CCNA Voice Lab Manual gives you extensive hands-on practice for developing an in-depth understanding of voice networking principles, tools, skills, configurations, integration challenges, and troubleshooting techniques. Using this manual, you can practice a wide spectrum of tasks involving Cisco Unified Communications Manager, Unity Connection, Unified Communications Manager Express, and Unified Presence. CCNA Voice Lab Manual addresses all exam topics and offers additional guidance for successfully implementing IP voice solutions in small-to-medium-sized businesses. CCNA Voice 640-461 Official Exam Certification Guide, Second Edition ISBN-13: 978-1-58720-417-3 ISBN-10: 1-58720-417-7 CCNA Voice Portable Command Guide ISBN-13: 978-1-58720-442-5 ISBN-10: 1-58720-442-8 Configuring Cisco Unified Communications Manager and Unity Connection: A Step-by-Step Guide, Second Edition ISBN-13: 978-1-58714-226-0 ISBN-10: 1-58714-226-0 CCNA Voice Quick Reference ISBN-13: 978-1-58705-767-0 ISBN-10: 1-58705-767-0

Designed for any introductory networking or data communications course. This laboratory manual is designed for the purpose of enhancing the understanding of concepts discussed in a variety of networks and data communications texts. This manual represents a work of dedication and collaboration by faculty from universities and colleges across the country. The Laboratory Manual is a valuable tool designed to enhance your lab experience. Lab activities, objectives, materials lists, step-by-step procedures, illustrations, and review questions are commonly found in a Lab Manual. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. This student lab manual reinforces the chapter content and lecture material from Apparel Quality, but may also be used as a standalone product in conjunction with another apparel quality textbook. With more than 30 hands-on lab activities and projects to enhance learning, the lab manual offers a greater understanding of quality issues that arise with apparel production and end use. Designed for courses that emphasize textile testing or offer a laboratory component, Apparel

Quality Lab Manual includes supply lists; extensive reference tables; assignments for analyzing products, testing and evaluating materials and garments; project sheets for product comparison testing; worksheets to record data; directions for mounting specimens after testing; and templates for cutting specimens. Students will be actively engaged in their learning and participate in determining the quality level of apparel products, allowing them to simulate how apparel products are analyzed in the industry. Reinforce the essential information you need with the Laboratory Manual for Laboratory Procedures for Veterinary Technicians, 6th Edition. Each unit corresponds to a unit in the textbook, with various exercises and test questions that help you focus on key concepts and skills for the veterinary clinic setting. Fill-in-the-blank exercises, lab exercises, crossword puzzles, word searches, photo quizzes, lab forms, specimen pictures, and review questions all help to clarify more challenging concepts. An applied approach to teaching forensic microscopy in educational settings, featuring new experiments and an up-to-date overview of the field Practical Forensic Microscopy: A Laboratory Manual, 2nd Edition, is a unique resource that brings the microscopic procedures used by real-world forensic investigators to the college laboratory, providing hands-on knowledge of the microscopes and microscopic techniques used in the field. Presenting a balanced, skills-based approach to the subject, this student-friendly lab manual contains dozens of experiments designed to cover the various microscopic evidence disciplines, including examinations of fingerprints, firearm, toolmark, shoeprint and tire impressions, gunshots, fibers, soil, glass breakage, drugs, semen, and human hair. The second edition includes revised and updated experiments that reflect current technologies and techniques used in forensic science, including new experiments examining plastic film, food condiments, feathers, building materials, explosive residue, cigarette butts and more. Each chapter includes a list of simple objectives for the experiment, a general overview of the topic, further readings, and selected references. The manual contains worksheets and templates for students to use when compiling analytical results. The concluding chapter features an innovative case scenario that requires students to analyze items of evidence, complete a laboratory report, reach a conclusion, and present their findings. This popular lab manual: Teaches practical forensic

microscopy skills through hands-on experiments and engaging practical activities Covers a wide range of microscopes and forensic tools, including stereomicroscopes, ocular micrometers, and fluorescence, polarized light, and phase contrast microscopes Explains simple stereomicroscopic techniques for analyzing various types of common forensic evidence Includes more complex procedures for examining biological, drug, and trace evidence Discusses laboratory safety, microscope maintenance, and the Micro Kit Written by an author with years of academic and professional experience, Practical Forensic Microscopy: A Laboratory Manual, 2nd Edition, is a must-have companion for any college-level forensic science course with a laboratory component, and is a useful supplement for related courses that cover microscopy and the principles of forensic lab procedures. Completely revised and updated, Invasive Cardiology: A Manual for Cath Lab Personnel, Third Edition is the first and only book written specifically by and for nurses and technicians! Topics include ECG interpretation, intracardiac pressure measurement, radiography, intracoronary Doppler, intravascular ultrasound, duties of technical staff, angiography and cardiac catheterization, PTCA, stents, atherectomy, laser, nursing care, valvuloplasty and balloon pericardiotomy, electrophysiology, cardiac pacing, endomyocardial biopsy, foreign body retrieval, pediatric interventional cardiology, cardiac pharmacology, and cath lab emergencies. Comprehensive coverage of the new CASP+ exam, with hands-on practice and interactive study tools The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, offers invaluable preparation for exam CAS-003. Covering 100 percent of the exam objectives, this book provides expert walk-through of essential security concepts and processes to help you tackle this challenging exam with full confidence. Practical examples and real-world insights illustrate critical topics and show what essential practices look like on the ground, while detailed explanations of technical and business concepts give you the background you need to apply identify and implement appropriate security solutions. End-of-chapter reviews help solidify your understanding of each objective, and cutting-edge exam prep software features electronic flashcards, hands-on lab exercises, and hundreds of practice questions to help you test your knowledge in advance of the exam. The next few years will bring a 45-fold increase in

digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP+ certification validates this in-demand skill set, and this book is your ideal resource for passing the exam. Master cryptography, controls, vulnerability analysis, and network security Identify risks and execute mitigation planning, strategies, and controls Analyze security trends and their impact on your organization Integrate business and technical components to achieve a secure enterprise architecture CASP+ meets the ISO 17024 standard, and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is also compliant with government regulations under the Federal Information Security Management Act (FISMA). As such, this career-building credential makes you in demand in the marketplace and shows that you are qualified to address enterprise-level security concerns. The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, is the preparation resource you need to take the next big step for your career and pass with flying colors. Laboratory Manual for Exercise Physiology, Third Edition With HKPropel Access, provides guided lab activities for in-person or virtual settings that allow students to translate their scientific understanding of exercise physiology into practical applications Perfect for both classroom learning and self-paced learning, this lab manual provides step-by-step lab scenarios that will assist anyone studying for MCSE exam 70-210. Emphasizing the essential principles underlying the preparation of cereal-based products and demonstrating the roles of ingredients, Cereal Grains: Laboratory Reference and Procedures Manual is a practical laboratory manual complementing the author's text, Cereal Grains: Properties, Processing, and Nutritional Attributes. Organized so that readers progressively learn and apply the theoretical knowledge described in the parent book, the manual covers a range of essential topics, including: Main quality control measurements used to determine physical, morphological, chemical-nutritional, and sensory properties of cereal grains and their products Critical factors affecting grain stability throughout storage and analytical techniques related to insects and pests responsible for grain storage losses Physical and chemical tests to determine the quality of refined products Laboratory wet-milling procedures The most common

laboratory methods to assess nixtamal, masa, and tortilla quality and shelf-life Yeast and chemical leavening agents important for bakery and other fermented products Laboratory and pilot plant procedures for the production of different types of yeast- and chemically-leavened bread, crackers, pasta products, breakfast cereals, and snack foods Protocols to bioenzymatically transform starch into modified starches, syrups, and sweeteners Laboratory processes for the production of regular and light beers, distilled spirits, and fuel ethanol By working through the contents of the book, readers acquire hands-on experience in many quality control procedures and experimental product development protocols of cereal-based products. From these foundations, they are certain to develop enhanced research skills for product development, process design, and ingredient functionality. This book is a practical reference for using Texas Instruments MSP430 microcontrollers. It provides a series of hands-on laboratory exercises. The labs may be completed in a traditional laboratory setting or at home using the Digilent Analog Discovery 2 Test Instrument. This book can be used as a reference for planning future projects using the MSP430 microcontroller. The authors focus on applications of the main peripheral modules available on the MSP430 microcontroller - CPU clock, Basic Input/Output, Timer, Analog-to-Digital Converter. They also provide examples of how to develop Pulse Width Modulation signals, and how to use Interrupts. The lab manual provides the hands-on instruction necessary to prepare for the certification exam and succeed as a network administrator. Designed for classroom or self-paced study, labs complement the book and follow the same learning approach as the exam. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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