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9SJENV - BEATRICE DENNIS

Embracing the transformation of radiation sciences by the recent surge of developments in molecular biology, this progressive text offers an up-to-date analysis of in vitro and in vivo molecular responses in the body induced by ionizing radiation. With a unique emphasis on medical physics applications, Biomolecular Action of Ionizing Radiation also presents a much needed, in-depth perspective on clinical applications for the treatment of cancer and radiation injuries. Based on a popular course given by the author at McGill University,the bookplaces the traditional tenets of radiation biology in the context of contemporary cell and molecular biology. Using terms that non-experts in molecular biology can understand, it clarifies the underlying mechanisms of radiation effects on molecular interactions including signal transduction pathways, modes of cell killing, and non-targeted effects. The author subsequently associates key principles and advances with potential applications, including the use of ionizing radiation as a cytotoxic and cytostatic agent, and radiosensitization by targeting molecular intermediates or signaling molecules involved in radiation-induced processes. Raising the standard for radiation biology texts that are currently available, Biomolecular Action of Ionizing Radiation is an outstanding resource for advanced undergraduate and graduate students in medical physics, radiation oncology, radiation biology, and those who have an interest in the radiation sciences and in cancer treatment.

Perfect for radiation oncology physicians and residents needing a multidisciplinary, treatment-focused resource, this updated edition continues to provide the latest knowledge in this consistently growing field. Not only will you broaden your understanding of the basic biology of disease processes, you'll also access updated treatment algorithms, information on techniques, and state-of-the-art modalities. The consistent and concise format provides just the right amount of information, making Clinical Radiation Oncology a welcome resource for use by the entire radiation oncology team. Content is templated and divided into three sections -- Scientific Foundations of Radiation Oncology, Techniques and Modalities, and Disease Sites – for quick access to information. Disease Sites chapters summarize the most important issues on the opening page and include a full-color format, liberal use of tables and figures, a closing section with a discussion of controversies and problems, and a treatment algorithm that reflects the treatment approach of the authors. Chapters have been edited for scientific accuracy, organization, format, and adequacy of outcome data (such as disease control, survival, and treatment tolerance). Allows you to examine the therapeutic management of specific disease sites based on single-modality and combined-modality approaches. Features an emphasis on providing workup and treatment algorithms for each major disease process, as well as the coverage of molecular biology and its relevance to individual diseases. Two new chapters provide an increased emphasis on stereotactic radiosurgery (SRS) and stereotactic body irradiation (SBRT). New Associate Editor, Dr. Andrea Ng, offers her unique perspectives to the Lymphoma and Hematologic Malignancies section. Key Points are summarized at the beginning of each disease-site chapter, mirroring the template headings and highlighting essential information and outcomes. Treatment algorithms and techniques, together with discussions of controversies and problems, reflect the treatment approaches employed by the authors. Disease Site Overviews allow each section editor to give a unique perspective on important issues, while online updates to Disease Site chapters ensure your knowledge is current. Disease Site chapters feature updated information on disease management and outcomes. Thirty all-new anatomy drawings increase your visual understanding. Medicine eBook is accessible on a variety of devices.

The primary goal of this text is to provide students with a solid understanding of fundamental physics concepts, and to help them apply this conceptual understanding to quantitative problem solving.

This atlas is a concise but comprehensive guide to the diverse patterns of response to immunotherapy as observed on Positron Emission Tomography/Computed Tomography (PET/CT) and other conventional imaging modalities, including CT and Magnetic Resonance Imaging (MRI). The purpose for this publication is to fill the gap between the growing clinical relevance and utilization of immunotherapy in medical oncology, mainly based on checkpoint inhibitors, and the need for experienced imagers with reliable tools assessing response to treatment. A series of disease-oriented chapters will present the imaging findings during immunotherapy in the major oncological settings, with helpful comparison of functional (PET/CT) and morphological (CT/MRI) patterns of response in individual cases. To complete the atlas, a dedicated chapter will focus on major pitfalls and immune-related adverse events (irAEs) affecting image interpretation during the course of immunotherapy. The concluding chapter will lastly examine the available data and potential developments of immuno-PET, which is considered as the novel frontier of research in this oncological scenario. The atlas will be of high value for radiologists and nuclear medicine specialists at all levels of experience.

Chemistry,Third Edition, by Julia Burdge offers a clear writing style written with the students in mind. Julia uses her background of teaching hundreds of general chemistry students per year and creates content to offer more detailed explanation on areas where she knows they have problems. With outstanding art, a consistent problem-solving approach, interesting applications woven throughout the chapters, and a wide range of end-of-chapter problems, this is a great third edition text.

This bestselling book -- now in its Fourth Edition – has become the gold standard for Sales Engineers, who engage on the technical side of the sales and buying process and are the people who know how everything works. It helps you navigate a complex and ever-changing technical sales environment and become an effective bridge-builder between the business/commercial interests and the technical details that support the sale. Written by one of the foremost experts in this field, the handbook presents everything you need to improve your skills and increase your value to the sales team. Chapters are written in a modular fashion so that you can choose topics most relevant to you at the moment – or follow them in order as they build upon each other and give you the complete A to Z on your role. Each chapter is short enough so that you can read through it in 10-15 minutes and apply the learning the next day. You'll find actionable hints, case studies, and anecdotes illustrating the topics with lessons learned, both positive and negative. The book helps you: understand the unique role of the Sales Engineer, from the broad picture to the nuances of the job; develop skills needed to become a valuable consultant to your team and the customer team; utilize best practices for creating and completing winning RFPs; effectively integrate global practices into your day-to-day activities; increase your ability think on a more strategic level; become a trusted advisor to executive customers. With this completely updated and expanded edition of Mastering Technical Sales in hand, you will achieve a better win rate, experience higher customer satisfaction, hit revenue targets, and feel greater job satisfaction. Newly added and revised chapters guide you through today's challenges, including the impact of the cloud and everything-as-a-service, new sales models (monthly vs. annual revenue commits), and the virtualization and automation that is now part of the Sales Engineer's world. This book is a must-have resource for both new and seasoned Sales Engineers within tech software, hardware, mechanical, and civil engineering vendors, along with management and leadership in those organizations, and anyone who must present, demonstrate or sell hi-tech items for a living.

Building Routes to Customers explains the powerful "Routes-to-Market" approach for driving profitable growth. World-class organizations including IBM, Microsoft, HP, Cisco, Hitachi, Adobe and Plantronics, and hundreds of smaller companies, have adopted RTM to develop and execute highly successful go-to-market strategies and tactics. With a step-by-step approach and dozens of examples, the authors show how you can use RTM to: (1) Determine the optimal level of spending for each function in marketing, sales and customer service, for each market segment, product and service. (2) Optimize your marketing mix and sales and distribution channels to maximize revenue and profitability throughout the product life cycle. (3) Get everyone in product management, marketing, sales, customer service, and your distribution partners aligned and working together to maximize results. (4) Get the right products and services to the right customers at the right time. (5) Retain existing customers and create profitable new ones.

In this contribution, several specialists describe the current knowledge on the molecular networks that regulate cell cycle progression, with an emphasis on the G1 phase of the cell cycle. The first part of Regulation of G1 Phase Progression is concerned with the individual molecules that form the network, including cyclins, cyclin-dependent kinases, inhibitors of these kinases and retinoblastoma and p53. The second section describes the signaling cascades by which external factors influence the cell cycle network, including mitogens, the extracellular matrix, nutrients and oxygen radicals. The last section describes the effects of specific external conditions on cell cycle progression and are presented such as serum starvation and subsequent re-addition and stress conditions (heat, osmolarity). The final two chapters describe the relation between cell cycle progression with cell differentiation and with apoptosis.

This text offers a unique balance of comparative politics theory and interdisciplinary country-specific context, of a thematic organization and in-depth country case studies, of culture and economics, of scholarship and pedagogy. No other textbook draws on such a diverse range of scholarly literature to help students understand the ins and outs of politics in Latin America today. The insightful historical background in early chapters provides students with a way to think about how the past influences the present. However, while history plays a part in this text, comparative politics is the primary focus, explaining through detailed case studies and carefully paced analysis such concepts as democratic breakdown and transition, formal and informal institutions, the rule of law, and the impact of globalization. Concepts and theories from comparative politics are well integrated into country-specific narratives and vice versa, leading to a richer understanding of both. Several important pedagogical aids foster student learning: Learning objectives at the start of every chapter "Learning checkpoints" interspersed in chapters to ensure comprehension Bolded key terms focus attention on important concepts Glossary at the end of the book provides a useful reference Discussion questions at the end of each chapter Integrated case studies on most countries in the region A companion website with practice quizzes and other useful study aids.

Part 3 of the fifth edition of this introduction to physics. This text addresses the issue of building bridges of reason, so that students may move from qualitative understanding of any given physics concept to making decisions about how to solve a problem involving that concept.

Larson's PRECALCULUS WITH LIMITS is known for delivering the same sound, consistently structured explanations and exercises of mathematical concepts as the market-leading PRECALCULUS, Ninth Edition, with a laser focus on preparing students for calculus. In LIMITS, the author includes a brief algebra review to the core precalculus topics along with coverage of analytic geometry in three dimensions and an introduction to concepts covered in calculus. With the third edition, Larson continues to revolutionize the way students learn material by incorporating more real-world applications, ongoing review, and innovative technology. How Do You See It? exercises give students practice applying the concepts, and new Summarize features, Checkpoint problems, and a Companion Website reinforce understanding of the skill sets to help students better prepare for tests. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Updated in content and pedagogy, this 14th Edition of Memmler's the Human Body in Health and Disease has helped hundreds of thousands of allied health students, including those with little background in science, to master anatomy and physiology. From its pioneering use of phonetic pronunciations to its pedagogically effective skin-to-bone transparencies of the human body, and increased focus on visualization, the new edition continues to set the standard for the one-semester course.

Previous edition: New Password 2, White Plains, NY: Pearson/Longman, A2010.

Make workplace conflict resolution a game that EVERYBODY wins! Recent studies show that typical

managers devote more than a quarter of their time to resolving coworker disputes. The Big Book of Conflict-Resolution Games offers a wealth of activities and exercises for groups of any size that let you manage your business (instead of managing personalities). Part of the acclaimed, bestselling Big Books series, this guide offers step-by-step directions and customizable tools that empower you to heal rifts arising from ineffective communication, cultural/personality clashes, and other specific problem areas—before they affect your organization's bottom line. Let The Big Book of Conflict-Resolution Games help you to: Build trust Foster morale Improve processes Overcome diversity issues And more Dozens of physical and verbal activities help create a safe environment for teams to explore several common forms of conflict—and their resolution. Inexpensive, easy-to-implement, and proved effective at Fortune 500 corporations and mom-and-pop businesses alike, the exercises in The Big Book of Conflict-Resolution Games delivers everything you need to make your workplace more efficient, effective, and engaged.

This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value-this format costs significantly less than a new textbook. Bob Blitzer has inspired thousands of students with his engaging approach to mathematics, making this beloved series the #1 in the market. Blitzer draws on his unique background in mathematics and behavioral science to present the full scope of mathematics with vivid applications in real-life situations. Students stay engaged because Blitzer often uses pop-culture and up-to-date references to connect math to students' lives, showing that their world is profoundly mathematical.

Designed to meet the needs of both clinical laboratory technicians and clinical laboratory scientists, this comprehensive - yet easy to read - guide to hematology and hemostasis features cutting-edge technologies, high-quality photographs and micrographs, case studies, and convenient dual-level (basic and advanced) presentation of information. In each chapter, two levels of objectives and questions are presented, allowing content to fit specific course focus. Case studies and checkpoints in each chapter help apply and assess comprehension. Visual cross-referencing symbols throughout make finding information exceptionally easy. Features: Authoritative content from 24 contributors. Running case studies throughout each chapter. "Checkpoints "- questions, integrated throughout the chapter, with rationales provided. High-resolution, full-color blood and bone marrow photographs throughout. FREE CD-ROM contains a powerful database of images and self-assessment activities. FREE integrated website - www.prenhall.com/mckenzie - compliments the text with study-guide style quiz questions and immediate tabulation of quiz results. Detailed discussions of ethical issues and management issues. The new technologies of molecular diagnostics, flow cytometry and cytogenetics presented here in a very easily understood manner.

The associations between insects and microorganisms, while pervasive and of paramount ecological importance, have been relatively poorly understood. The third book in this set, Insect Symbiosis, Volume 3, complements the previous volumes in exploring this somewhat uncharted territory. Like its predecessors, Volume 3 illustrates how symbiosis research has important ramifications for evolutionary biology, microbiology, parasitology, physiology, genetics, and animal behavior, and is especially relevant to the control of agricultural and disease-carrying pests worldwide. Insect Symbiosis, Volume 3, includes pioneering chapters on Paratransgenesis in termites, Bacterial symbionts in anopheles spp. and other mosquito vectors, Endosymbionts of lice, and the Structure and function of the bacterial community associated with the Mediterranean fruit fly. These individual studies suggest practical applications in pest control involving novel, pesticide-free, biological control approaches. This new volume adds to the growing body of knowledge on the ubiquitous endosymbiont Wolbachia. This bacterial genus and its potential as a weapon against insect pests and vectors have been covered in the first two volumes of Insect Symbiosis. Volume 3 contains chapters on Wolbachia and anopheles mosquitoes, Feminizing Wolbachia and the evolution of sex determination in isopods, and Wolbachia–induced sex reversal in Lepidoptera. The book examines symbiotic relationships in the context of how host organisms recognize their own cells as self and other cells or potentially parasitic or pathogenic organisms as nonself, allowing researchers to make predictions of compatible and incompatible interactions. Following in the tradition of the first two volumes, this book serves as a great reference on host-parasitic relationships for professionals from a broad range of disciplines.

Mononuclear Leukocytes—Advances in Research and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Lymphocytes. The editors have built Mononuclear Leukocytes—Advances in Research and Application: 2013 Edi-

tion on the vast information databases of ScholarlyNews.™ You can expect the information about Lymphocytes in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Mononuclear Leukocytes—Advances in Research and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at http://www.ScholarlyEditions.com/.

Continuing the tradition of excellence that has made it the preferred A&P resource for allied health students, the latest edition of Memmler's Structure and Function of the Human Body prepares you for success in your healthcare careers through easy-to-understand, beautifully illustrated coverage of

This text bridges the gap between traditional and reform approaches to algebra encouraging students to see mathematics in context. It presents fewer topics in greater depth, prioritizing data analysis as a foundation for mathematical modeling, and emphasizing the verbal, numerical, graphical and symbolic representations of mathematical concepts as well as connecting mathematics to real life situations drawn from the students' majors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Provide a description about the book that does not include any references to package elements. This description will provide a description where the core, text-only product or an eBook is sold. Please remember to fill out the variations section on the PMI with the book only information. Just getting started in the computer world? This introductory text, CENTURY 21TM, JR. COMPUTER APPLICATIONS WITH KEYBOARDING, 3E is the perfect companion for navigation of computer basics, file management, the Internet, keyboarding, word processing, desktop publishing, spreadsheets, presentations, and databases. CENTURY 21, JR. provides step-by-step guidance, with engaging activities. Units are divided into easy-to-manage chapters and projects will help students learn the features of Microsoft Office 2013 and 365. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This 3rd Edition of CliffsNotes FTCE Professional Education Test encapsulates the major test changes to this important Florida teacher certification test that would-be Florida teachers must pass to become credentialed.

This series is endorsed by Cambridge International Examinations and is part of Cambridge Maths. Learners will reinforce their mathematical understanding in an enjoyable way with the fun games in this stage 4 games book resource for teachers. Instructions for teachers or parents are provided and direct links to both the course objectives and activities in the teacher's guide are made, making this the perfect resource for additional class activity or homework. All photocopiable resources needed to play the games are included in the book and on the CD, so learners can start playing straight away. Projectable instructions for the learners are also included on the CD.

Based on research presented at The Harvard Business School's first-ever conference on business approaches to poverty alleviation, Business Solutions for the Global Poor brings together perspectives from leading academics and corporate, non-profit and public sector managers. The contributors draw on practical and dynamic how-to insights from leading BOP ventures from more than twenty countries world-wide. This important volume reflects poverty's multi-faceted nature and a broad range of actors—multinational and local businesses, entrepreneurs, civil society organizations and governments—that play a role in its alleviation.

This practical book provides a step-by-step approach to testing mission-critical applications for scalability and performance before they're deployed -- a vital topic to which other books devote one chapter, if that. Businesses today live and die by network applications and web services. Because of the increasing complexity of these programs, and the pressure to deploy them quickly, many professionals don't take the time to ensure that they'll perform well and scale effectively. The Art of Application Performance Testing explains the complete life cycle of the testing process, and demonstrates best practices to help you plan, gain approval for, coordinate, and conduct performance tests on your applications. With this book, you'll learn to: Set realistic performance goals Implement an effective application performance testing strategy Interpret performance test results Cope with different application technologies and architectures Use automated performance

testing tools Test traditional local applications, web-based applications, and web services (SOAs) Recognize and resolves issues that are often overlooked in performance tests Written by a consultant with 30 years of experience in the IT industry and over 12 years experience with performance testing, this easy-to-read book is illustrated with real-world examples and packed with practical advice. The Art of Application Performance Testing thoroughly explains the pitfalls of an inadequate testing strategy and offers you a robust, structured approach for ensuring that your applications perform well and scale effectively when the need arises. "Ian has maintained a vendor-agnostic methodology beautifully in this material. The metrics and graphs, along with background information provided in his case studies, eloquently convey to the reader, 'Methodology above all, tools at your discretion...' Ian's expertise shines through throughout the entire reading experience."-- Matt St. Onge, Enterprise Solution Architect, HCL Technologies America / Teradyne

This text is intended for a 1-semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming. A fundamentals-first introduction to basic programming concepts and techniques Designed to support an introductory programming course, Introduction to Java Programming and Data Structures teaches concepts of problem-solving and object-orientated programming using a fundamentals-first approach. Beginner programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises.

Finally, an interactive website based on activities you do every day! The new Halliday/Resnick/Walker 7/e eGrade Plus program provides the value-added support that instructors and students want and need. Powered by Wiley's EduGen system, this site includes a vase array of high-quality content including: Homework Management: An Assignment tool allows instructors to create student homework and quizzes, using dynamic versions of end-of-chapter problems from "Fundamentals of Physics" or their own dynamic questions. Instructors may also assign readings, activities, and other work for students to complete. A Gradebook automatically grades and records student assignments. This not only saves time, but also provides students with immediate feedback on their work. Each student can view his or her results from past assignments at any time. An Administration tool allows instructors to manage their class rosters on-line. A Prepare and Present tool contains a variety of the Wiley-provided resources (including all the book illustrations, java applets, and digitized video) to help make preparation time more efficient. This content may easily be adapted, customized, and supplemented by instructors to meet the needs of each course. Self-Assessment. A Study and Practice area links directly to the multimedia version of "Fundamentals of Physics," allowing students to review the text while they study and complete homework assignments. In addition to the complete on-line text, students can also access the Student Solutions Manual, the Student Study Guide, interactive simulations, and the Interactive LearningWare Program. Interactive LearningWare. Interactive LearningWarew leads thestudent step-by-step through solutions to 200 of the end-of-chapter problems from the text. And there's lots more! You'll need to see it to believe it. Check out the Halliday/Resnick/Walker site at: www.wiley.com/college/halliday

Apache Spark is amazing when everything clicks. But if you haven't seen the performance improvements you expected, or still don't feel confident enough to use Spark in production, this practical book is for you. Authors Holden Karau and Rachel Warren demonstrate performance optimizations to help your Spark queries run faster and handle larger data sizes, while using fewer resources. Ideal for software engineers, data engineers, developers, and system administrators working with large-scale data applications, this book describes techniques that can reduce data infrastructure costs and developer hours. Not only will you gain a more comprehensive understanding of Spark, you'll also learn how to make it sing. With this book, you'll explore: How Spark SQL's new interfaces improve performance over SQL's RDD data structure The choice between data joins in Core Spark and Spark SQL Techniques for getting the most out of standard RDD transformations How to work around performance issues in Spark's key/value pair paradigm Writing high-performance Spark code without Scala or the JVM How to test for functionality and performance when applying suggested improvements Using Spark MLlib and Spark ML machine learning libraries Spark's Streaming components and external community packages