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International Textbook of Diabetes Mellitus, 2 Volume Set

The International Textbook of Diabetes Mellitus has been a successful, well-respected medical textbook for almost 20 years, over 3 editions. Encyclopaedic and international in scope, the textbook covers all aspects of diabetes ensuring a truly multidisciplinary and global approach. Sections covered include epidemiology, diagnosis, pathogenesis, management and complications of diabetes and public health issues worldwide. It incorporates a vast amount of new data regarding the scientific understanding and clinical management of this disease, with each new edition always reflecting the substantial advances in the field. Whereas other diabetes textbooks are primarily clinical with less focus on the basic science behind diabetes, ITDM's primary philosophy has always been to comprehensively cover the basic science of metabolism, linking this closely to the pathophysiology and clinical aspects of the disease. Edited by four world-famous diabetes specialists, the book is divided into 13 sections, each section edited by a section editor of major international prominence. As well as covering all aspects of diabetes, from epidemiology and pathophysiology to the management of the condition and the complications that arise, this fourth edition also includes two new sections on NAFLD, NASH and non-traditional associations with diabetes, and clinical trial evidence in diabetes. This fourth edition of an internationally recognised textbook will once again provide all those involved in diabetes research and development, as well as diabetes specialists with the most comprehensive scientific reference book on diabetes available.

The Bureau of Reclamation

Covering a wide range of key topics, from reasoning and communication to sensation and complex problem-solving, this engagingly-written text presents a comprehensive survey of contemporary research on animal cognition. Written for anyone with an interest in animal cognition, but without a background in animal behavior, it endeavors to explain what makes animals tick.

Reclamation, Managing Water in the West, The Bureau of Reclamation: History Essays from the Centennial Symposium, Volume 2, 2008, *

Many professionals and students in engineering, science, business, and other application fields need to develop Windows-based and web-enabled information systems to store and use data for decision support, without help from professional programmers. However, few books are available to train professionals and students who are not professional programmers to develop these information systems. *Developing Windows-Based and Web-Enabled Information Systems* fills this gap, providing a self-contained, easy-to-understand, and well-illustrated text that explores current concepts, methods, and software tools for developing Windows-based and web-enabled information systems. Written in an easily accessible style, the book details current concepts, methods, and software tools for Windows-based and web-enabled information systems that store and use data. It is self-contained with easy-to-understand small examples to walk through concepts and implementation details along with large-scale case studies. The book describes data modeling methods including entity–relationship modeling, relational modeling and normalization, and object-oriented data modeling, to develop data models of a database. The author covers how to use software tools in the Microsoft application development environment, including Microsoft Access, MySQL, SQL, Visual Studio, Visual Basic, VBA, HTML, and XML, to implement databases and develop Windows-based and web-enabled applications with the database, graphical user interface, and program components. The book takes you through the entire process of developing a computer and network application for an information system, highlighting concepts and operation details. In each chapter, small data examples are used to manually walk through concepts and operational details. These features and more give you the conceptual understanding and practical skill required, even if you don't have a computer science background, to develop Windows-based or web-enabled applications for your specialized information system.

Animal Cognition

In the early modern herbal, Sarah Neville finds a captivating example of how Renaissance print culture shaped scientific authority.

Developing Windows-Based and Web-Enabled Information Systems

Now in its twelfth edition, Lewin's *GENES* continues to lead with new information and cutting-edge developments, covering gene structure, sequencing, organization, and expression. Leading scientists provide revisions and updates in their individual field of study offering readers current data and information on the rapidly changing subjects in molecular biology.

The DNA of Leadership

An e-novella by #1 New York Times bestselling author Kathy Reichs that explores the origins of her vastly popular character, forensic anthropologist Temperance Brennan. In 1980s Charlotte, North Carolina, Temperance Brennan is newly employed as a bioarchaeologist, studying the bones of the ancient dead. But a strange opportunity presents itself when two detectives appear at her lab, seeking consultation on a recently burned body. As a murder investigation unfolds, Temperance finds that there is another deadly threat at work...

Early Modern Herbals and the Book Trade

This book offers a unique guide to the three-dimensional (3D) printing of metals. It covers various aspects of additive, subtractive, and joining processes used to form three-dimensional parts with applications ranging from prototyping to production. Examining a variety of manufacturing technologies and their ability to produce both prototypes and functional production-quality parts, the individual chapters address metal components and discuss some of the important research challenges associated with the use of these technologies. As well as exploring the latest technologies currently under development, the book features unique sections on electron beam melting technology, material lifting, and the importance this science has in the engineering context. Presenting unique real-life case studies from industry, this book is also the first to offer the perspective of engineers who work in the field of aerospace and transportation systems, and who design components and manufacturing networks. Written by the leading experts in this field at universities and in industry, it provides a comprehensive textbook for students and an invaluable guide for practitioners.

Lewin's *GENES* XII

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

First Bones

Modern science communication has emerged in the twentieth century as a field of study, a body of practice and a profession—and it is a practice with deep historical roots. We have seen the birth of interactive science centres, the first university actions in teaching and conducting research, and a sharp growth in employment of science communicators. This collection charts the emergence of modern science communication across the world. This is the first volume to map investment around the globe in science centres, university courses and research, publications and conferences as well as tell the national stories of science communication. How did it all begin? How has development varied from one country to another? What motivated governments, institutions and people to see science communication as an answer to questions of the social place of science? Communicating Science describes the pathways followed by 39 different countries. All continents and many cultures are represented. For some countries, this is the first time that their science communication story has been told.

Additive Manufacturing of Metals: The Technology, Materials, Design and Production

Balanced and readable biography of Carl Hayden and hydropolitics in Congress and the West. The Central Arizona Project, that lifelong effort of Senator Hayden, is fully covered ...

Popular Science

With crisp and insightful contributions from 47 of the world's leading experts in various facets of retailing, Retailing in the 21st Century offers in one book a compendium of state-of-the-art, cutting-edge knowledge to guide successful retailing in the new millennium. In our competitive world, retailing is an exciting, complex and critical sector of business in most developed as well as emerging economies. Today, the retailing industry is being buffeted by a number of forces simultaneously, for example the growth of online retailing and the advent of 'radio frequency identification' (RFID) technology. Making sense of it all is not easy but of vital importance to retailing practitioners, analysts and policymakers.

Communicating Science

"Solutions and examples for C++ programmers"--Cover.

Vision in the Desert

This unique graduate textbook offers a compelling narrative of the growing field of environmental economics that integrates theory, policy, and empirical topics. Daniel J. Phaneuf and Till Requate present both traditional and emerging perspectives, incorporating cutting-edge research in a way that allows students to easily identify connections and common themes. Their comprehensive approach gives instructors the flexibility to cover a range of topics, including important issues - such as tax interaction, environmental liability rules, modern treatments of incomplete information, technology adoption and innovation, and international environmental problems - that are not discussed in other graduate-levels texts. Numerous data-based examples and end-of-chapter exercises show students how theoretical and applied research findings are complementary, and will enable them to develop skills and interests in all areas of the field. Additional data sets and exercises can be accessed online, providing ample opportunity for practice. For more information, visit the book's website at <http://phaneuf-requate.com/>.

Retailing in the 21st Century

Plastic Waste and Recycling: Environmental Impact, Societal Issues, Prevention, and Solutions begins with an introduction to the different types of plastic materials, their uses, and the concepts of reduce, reuse and recycle before examining plastic types, chemistry and degradation patterns that are organized by non-degradable plastic, degradable and biodegradable plastics, biopolymers and bioplastics. Other sections cover current challenges relating to plastic waste, explain the sources of waste and their routes into the environment, and provide systematic coverage of plastic waste treatment methods, including mechanical processing, monomerization, blast furnace feedstocks, gasification,

thermal recycling, and conversion to fuel. This is an essential guide for anyone involved in plastic waste or recycling, including researchers and advanced students across plastics engineering, polymer science, polymer chemistry, environmental science, and sustainable materials.

C++ Cookbook

The search for renewable energy and smart grids, the societal impact of blackouts, and the environmental impact of generating electricity, along with the new ABET criteria, continue to drive a renewed interest in electric energy as a core subject. Keeping pace with these changes, *Electric Energy: An Introduction*, Third Edition restructures the traditional introductory electric energy course to better meet the needs of electrical and mechanical engineering students. Now in color, this third edition of a bestselling textbook gives students a wider view of electric energy, without sacrificing depth. Coverage includes energy resources, renewable energy, power plants and their environmental impacts, electric safety, power quality, power market, blackouts, and future power systems. The book also makes the traditional topics of electromechanical conversion, transformers, power electronics, and three-phase systems more relevant to students. Throughout, it emphasizes issues that engineers encounter in their daily work, with numerous examples drawn from real systems and real data. What's New in This Edition

- Color illustrations
- Substation and distribution equipment
- Updated data on energy resources
- Expanded coverage of power plants
- Expanded material on renewable energy
- Expanded material on electric safety
- Three-phase system and pulse width modulation for DC/AC converters
- Induction generator
- More information on smart grids
- Additional problems and solutions

Combining the fundamentals of traditional energy conversion with contemporary topics in electric energy, this accessible textbook gives students the broad background they need to meet future challenges.

A Course in Environmental Economics

Straightforward, practical, and focused on realistic examples, *Business and Professional Writing: A Basic Guide* is an introduction to the fundamentals of professional writing. The book emphasizes clarity, conciseness, and plain language. Guidelines and templates for business correspondence, formal and informal reports, brochures and press releases, and oral presentations are included. Exercises guide readers through the process of creating and revising each genre, and helpful tips, reminders, and suggested resources beyond the book are provided throughout. The second edition includes new sections on information security and ethics in business writing. New formal proposal examples have been added, and the text has been updated throughout.

Reports

A fascinating and accessible book by Nobel laureates Richard Feynman and Steven Weinberg.

Plastic Waste and Recycling

Vaccines is a well-written book on the subject of providing crucial information to students and researchers in the field of vaccinology. The introductory chapter, contributed by the editor (Dr. Vijay Kumar) of the book, provides the brief introduction to the history of the development of current forms of vaccine, which is difficult to find easily in one place. In addition, other chapters of the book are written by experts in the field. For example, the second chapter looks at the emerging role of developing countries in the innovation and production of vaccines. Other chapters provide information regarding different types of vaccines, development of vaccines for zoonotic viral infections, and regulatory affairs for genetically modified organism vaccines.

Electric Energy

The completely updated, final edition of the global bestseller - one of the most influential books of the 21st century 'Few books can be said to have changed the world, but *Nudge* did. The Final Edition is marvellous: funny, useful, and wise' Daniel Kahneman *Nudge* has transformed the way individuals, companies and governments look at the world - and in the process has become one of the most important books of the twenty-first century. This completely updated edition offers a wealth of new insights for fans and newcomers alike - about COVID-19, diet, personal finance, retirement savings, medical care, organ donation, and climate change. Every day we make decisions: about the things we buy or the meals we eat; about the investments we make and the time we spend; about our health and that of the planet. Unfortunately, we often choose badly. We are all susceptible to biases that can lead

us to make bad decisions that make us poorer, less healthy and less happy. And, as Richard Thaler and Cass Sunstein show, no choice is ever presented to us in a neutral way. But by knowing how people think, we can make it easier for them to choose what is best for themselves, for their families and for society. With brilliant insight and wonderful levity, Thaler and Sunstein demonstrate how best to nudge us in the right directions, without ever restricting our freedom of choice.

Business and Professional Writing: A Basic Guide - Second Canadian Edition

This updated and reorganized fourth edition of *Software Testing: A Craftsman's Approach* applies the strong mathematics content of previous editions to a coherent treatment of Model-Based Testing for both code-based (structural) and specification-based (functional) testing. These techniques are extended from the usual unit testing discussions to full coverage of less understood levels integration and system testing. The Fourth Edition: Emphasizes technical inspections and is supplemented by an appendix with a full package of documents required for a sample Use Case technical inspection Introduces an innovative approach that merges the Event-Driven Petri Nets from the earlier editions with the "Swim Lane" concept from the Unified Modeling Language (UML) that permits model-based testing for four levels of interaction among constituents in a System of Systems Introduces model-based development and provides an explanation of how to conduct testing within model-based development environments Presents a new section on methods for testing software in an Agile programming environment Explores test-driven development, reexamines all-pairs testing, and explains the four contexts of software testing Thoroughly revised and updated, *Software Testing: A Craftsman's Approach, Fourth Edition* is sure to become a standard reference for those who need to stay up to date with evolving technologies in software testing. Carrying on the tradition of previous editions, it will continue to serve as a valuable reference for software testers, developers, and engineers.

United States Civil Aircraft Register

Richard P. Feynman (1918–1988) was widely recognized as the most creative physicist of the post–World War II period. His career was extraordinarily expansive. From his contributions to the development of the atomic bomb at Los Alamos during World War II to his work in quantum electrodynamics, for which he was awarded the Nobel Prize in 1965, Feynman was celebrated for his brilliant and irreverent approach to physics. It was Feynman's outrageous and scintillating method of teaching that earned him legendary status among students and professors of physics. From 1961–1963, Feynman, at the California Institute of Technology, delivered a series of lectures that revolutionized the teaching of physics around the world. *Six Easy Pieces*, taken from the famous *Lectures on Physics*, represents the most accessible material from this series. In these six chapters, Feynman introduces the general reader to the following topics: atoms, basic physics, the relationship of physics to other topics, energy, gravitation, and quantum force. With his dazzling and inimitable wit, Feynman presents each discussion without equations or technical jargon. Readers will remember how—using ice water and rubber—Feynman demonstrated with stunning simplicity to a nationally televised audience the physics of the 1986 Challenger disaster. It is precisely this ability—the clear and direct illustration of complex theories—that made Richard Feynman one of the most distinguished educators in the world. Filled with wonderful examples and clever illustrations, *Six Easy Pieces* is the ideal introduction to the fundamentals of physics by one of the most admired and accessible scientists of our time.

Elementary Particles and the Laws of Physics

This book is a collection of research papers and articles presented at the 3rd International Conference on Communications and Cyber-Physical Engineering (ICCCE 2020), held on 1-2 February 2020 at CMR Engineering College, Hyderabad, Telangana, India. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars and PG students working to formulate their research ideas and find the future directions in these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

Vaccines

Integrates social media, social network analysis, and data mining to provide an understanding of the potentials of social media mining.

Nudge

Widely praised for its balanced treatment of computer ethics, *Ethics for the Information Age* offers a modern presentation of the moral controversies surrounding information technology. Topics such as privacy and intellectual property are explored through multiple ethical theories, encouraging readers to think critically about these issues and to make their own ethical decisions.

Who's who in the West

With its clear, easy-to-follow structure and step-by-step skill-building methodology, *Horizons* is a complete program that guides students through their first year of learning French. It is organized by competencies that act as building blocks for students. The competencies, about four in each chapter, focus on specific, real-world functions, which serves to help students learn the language and make connections to the world around them. To support students in their learning journey, this learning package includes a number of interactive activities, contextualized vocabulary and grammar, and increased coverage of French Canada, found both in the text and within our online resources.

Software Testing

This completely revised and updated Fourth Edition of the *Handbook of Counseling Psychology* presents a cross-disciplinary survey of the entire field?combining a scholarly review of important areas of counseling psychology with current and insightful analyses of topics. The new edition equips you with a leading resource containing the latest information on the prevention and treatment of vocational, educational, and personal adjustment problems.

Six Easy Pieces

The creator of one of the most innovative and best-selling video games of all time gives an unvarnished look into the process in this one-of-a-kind compilation. Before *Prince of Persia* was a best-selling video game franchise and a Disney movie, it was an Apple II computer game created and programmed by one person, Jordan Mechner. Mechner's candid and revealing journals from the time capture the journey from his parents' basement to the forefront of the fast-growing 1980s video game industry... and the creative, technical, and personal struggles that brought the prince into being and ultimately into the homes of millions of people worldwide. Now, on the 30th anniversary of *Prince of Persia*'s release, Mechner looks back at the journals he kept from 1985 to 1993, offering new insights into the game that established him as a pioneer of cinematic storytelling in the industry. This beautifully illustrated and annotated collector's edition includes: 300 pages of Jordan's original journals, Present-day margin notations by Jordan adding explanation, context, and affectionate cartoons of real-life characters, Archival visuals illustrating the stages of the game's creation, Work-in-progress sketches, rotoscoped animation, screen shots, interface design, memos, and more, A full-color 32-page "Legacy" section in which Jordan and fans share *Prince of Persia* memories from the past 30 years, including the Ubisoft games and Disney movie. *The Making of Prince of Persia* is both a tribute to a timeless classic, and an indelible look at the creative process that will resonate with retro-gaming fans, game developers, and writers, artists, and creators of all stripes.

ICCCE 2020

"The new gold standard for sociology of gender courses. An instant best-seller and now the leading book for the course, Wade and Ferree's *Gender* is an accessible and inclusive introduction to sociological perspectives on gender. Drawing on memorable examples mined from history, pop culture, and current events, *Gender* deftly moves between theoretical concepts and applications to everyday life. Revised throughout to be more inclusive and intersectional, the Third Edition features expanded coverage of the nonbinary and trans experience and new discussions of the impact of Covid-19 on families and work"--

Social Media Mining

This book aims to provide comprehensive coverage of the field of air transportation, giving attention to all major aspects, such as aviation regulation, economics, management and strategy. The book

approaches aviation as an interrelated economic system and in so doing presents the “big picture” of aviation in the market economy. It explains the linkages between domains such as politics, society, technology, economy, ecology, regulation and how these influence each other. Examples of airports and airlines, and case studies in each chapter support the application-oriented approach. Students and researchers in business administration with a focus on the aviation industry, as well as professionals in the industry looking to refresh or broaden their knowledge of the field will benefit from this book.

Ethics for the Information Age

This book examines the development and technical progress of self-driving vehicles in the context of the Vision Zero project from the European Union, which aims to eliminate highway system fatalities and serious accidents by 2050. It presents the concept of Autonomous Driving (AD) and discusses its applications in transportation, logistics, space, agriculture, and industrial and home automation.

Horizons

Although the basic principles of lasers have remained unchanged in the past 20 years, there has been a shift in the kinds of lasers generating interest. Providing a comprehensive introduction to the operating principles and applications of lasers, this second edition of the classic book on the subject reveals the latest developments and applications of lasers. Placing more emphasis on applications of lasers and on optical physics, the book's self-contained discussions will appeal to physicists, chemists, optical scientists, engineers, and advanced undergraduate students.

Handbook of Counseling Psychology

Are you a witless cretin with no reason to live' Would you like to know more about every piece of knowledge ever' Do you have cash' Then congratulations, because just in time for the death of the print industry as we know it comes the final book ever published, and the only one you will ever need: The Onion's compendium of all things known. Replete with an astonishing assemblage of facts, illustrations, maps, charts, threats, blood, and additional fees to edify even the most simple-minded book-buyer, THE ONION BOOK OF KNOWN KNOWLEDGE is packed with valuable information-such as the life stages of an Aunt; places to kill one's self in Utica, New York; and the dimensions of a female bucket, or "pail." With hundreds of entries for all 27 letters of the alphabet, THE ONION BOOK OF KNOWN KNOWLEDGE must be purchased immediately to avoid the sting of eternal ignorance.

The Making of Prince of Persia

A comprehensive guide to all things running explains running physiology, biomechanics, medicine, genetics, biology, psychology, training, and racing.

Gender

Aviation Systems