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This textbook examines a wide range of humanitarian action issues in five parts, presented by specialists from different academic fields. The respective parts reflect the five core modules of the International NOHA Joint Master's Programme "International Humanitarian Action": a) World Politics, b) International Law, c) Public Health, d) Anthropology, and e) Management. The book serves as a common basis for teaching at all NOHA universities and aims at imparting the basic knowledge and skills needed to excel in a complex interdisciplinary and international learning context. It provides in-depth information on key international humanitarian principles and values, professional codes of conduct, and the commitment to their implementation in practice. The book will thus be useful for all students of the NOHA Joint Master's Programme and participants of any courses with a similar content, but also for academics and practitioners affiliated with entities such as international organisations and NGOs. It may also serve as an introduction to anyone with an interest in understanding the numerous and inter-linked facets of humanitarian action. The foremost and primary aim of the book is to meant the requirements of students of Anna University, Bharathidasan University, Mumbai University as well as B.E. / B.Sc of all other Indian Universities. Based on NAVTA-approved guidelines, Elsevier's Veterinary Assisting Textbook by Margi Sirois offers comprehensive coverage of the knowledge and skills you need for a successful career in veterinary assisting. You'll learn about the role of the veterinary assistant and how to perform key responsibilities of the job, including assisting the veterinary technician and the veterinarian by restraining animals, setting up equipment and supplies, cleaning and maintaining practice

and laboratory facilities, and feeding and exercising patients. Targeted coverage addresses only those topics that are relevant to veterinary assisting. Authoritative content covers everything you need to know to pass the Approved Veterinary Assistant (AVA) exam and succeed in clinical practice. Authors and contributors are leading experts in veterinary medicine, veterinary technology, and veterinary assisting. Full-color format features a wealth of illustrations and photographs that clarify key concepts and enhance learning. The inspirational bestseller that ignited a movement and asked us to find our WHY Discover the book that is captivating millions on TikTok and that served as the basis for one of the most popular TED Talks of all time—with more than 56 million views and counting. Over a decade ago, Simon Sinek started a movement that inspired millions to demand purpose at work, to ask what was the WHY of their organization. Since then, millions have been touched by the power of his ideas, and these ideas remain as relevant and timely as ever. **START WITH WHY** asks (and answers) the questions: why are some people and organizations more innovative, more influential, and more profitable than others? Why do some command greater loyalty from customers and employees alike? Even among the successful, why are so few able to repeat their success over and over? People like Martin Luther King Jr., Steve Jobs, and the Wright Brothers had little in common, but they all started with WHY. They realized that people won't truly buy into a product, service, movement, or idea until they understand the WHY behind it. **START WITH WHY** shows that the leaders who have had the greatest influence in the world all think, act and communicate the same way—and it's the opposite of what everyone else does. Sinek calls this powerful idea The Golden Circle, and it provides a framework upon which organizations can be built, movements can be led, and people can be inspired. And it all starts with WHY. Fourth edition of **CONCISE TB OF PHYSIOLOGY** incorporates thoroughly revised and updated text. The text has been organized into 11 sections, and each section has been further subdivided into chapters. The content has been arranged in such a way that it provides explanation complimented by numerous tables, flowcharts and abundant illustrations.

- Complete and up-to-date text
- Illustrated by more than 1000 clear line diagrams
- Complemented with numerous tables and flowcharts for quick comprehension
- Balanced amalgamation of pure and applied text
- Applied aspects, highlighted in boxes.
- Additional important information has been highlighted as important notes
- For self-assessment of the subject, the questionnaire and viva-voce questions are given at the end of each chapter as self-assessment

The fourth edition of “Textbook of Microbiology and Immunology” is an extensively revised edition, a healthy mixture of the old and the new contents. Many of the old traditional chapters have been retained with addition of new information along with the inclusion of new chapters more in line with the on-going changes in the syllabus and concepts in Medical Microbiology. While doing so, this book has blended the traditional organism-based learning and a syndrome based approach to infectious disease, together with the introduction of new and modified chapters incorporating the latest information in this field. The book provides an extensive coverage of fundamental topics in general and medical microbiology. The book also lays due emphasis on clinical microbiology with special focus on syndrome based approach to infectious diseases. It includes the basic concepts of microbiology as well as the recent updates and developments in the field of medical microbiology. All the topics have been incorporated in seven major sections: General microbiology, Immunology, Bacteriology, Virology, Mycology, and Applied and Clinical Microbiology. The dynamic nature of medical sciences with new guidelines and new diagnostic methods coming into the arena necessitates the incorporation of new information in each new edition of a book. This facet has been addressed with the inclusion of recent information on the various aspects of microbiology, infectious diseases and immunology, in the fourth edition of the Textbook of Microbiology and Immunology, which makes it one of the most authoritative and informative textbooks in medical microbiology. The book is an effort to inform and engage a wide spectrum of readers including medical students, both undergraduates and postgraduates, and residents, and faculty. It aims to be a must-have companion book for graduate and advanced undergraduate as well as postgraduate students of medical microbiology, general and allied microbiology, and of immunology. Chapters have been rearranged and often split to work towards one chapter-one lecture model so that the text is linked to curriculum objectives which appeals to both students and faculty. Narrative length has been reduced while ensuring the original flow and explanation of concepts is not affected. Updated Learning Objectives (e.g. Applied physiology of the Renal System) and Glossary of Terms in the beginning of every chapter. Short, easy-to-read, masterfully edited chapters and a user-friendly full-color design facilitates better learning and retention. Features expanded clinical coverage including obesity, metabolic and cardiovascular disorders, Alzheimer's disease, and other degenerative diseases. Complex Concepts/Processes are summarized in flowcharts/flow diagram for better understanding. Contains more than 1000 carefully crafted diagrams and drawings ensures better understanding of Physiology. Offers Clinically Oriented perspective - bridging basic physiology with pathophysiology, including cellular and molecular mechanism important for Clinical medicine. Updated throughout based on the Guyton and Hall Textbook of Physiology 14th edition to reflect the latest knowledge in the field. The information of the book has been updated to include all areas of the new MCI curriculum (these are either embedded within the existing chapters or as several new chapters at the end of the book). The latest edition of Williams Textbook of Endocrinology edited by Drs. Shlomo Melmed, Kenneth S. Polonsky, P. Reed Larsen, and Henry M. Kronenberg, helps you diagnose and treat your patients effectively with up-to-the minute, practical know-how on all endocrine system disorders. Comprehensive yet accessible, this extensively revised 12th Edition updates you on diabetes, metabolic syndrome, obesity, thyroid disease, testicular disorders, and much more so you can provide your patients with the most successful treatments. Find scientific insight and clinical data interwoven in every chapter, reflecting advances in both areas of this constantly changing discipline, and presented in a truly accessible format. You'll also access valuable contributions from a dynamic list of expert authors and nearly 2,000 full-color images to help you with every diagnosis. This title has everything you need to manage any and all the clinical endocrinopathies you may encounter. Rely on the one reference that integrates rapidly evolving basic and clinical science in a cohesive, user-friendly format, definitively addresses every topic in the field, and has remained a standard for more than half a century. Update your know-how and skills to diagnose and treat your patients most effectively with exhaustively revised content on diabetes, metabolic disease, thyroid cancer, fertility problems, testicular problems, weight issues, and much more. Apply reliable guidance on endocrine conditions of growing interest like hypothyroidism and testicular disorders, with dedicated new chapters that expound on the latest research findings. Overcome any clinical challenge with comprehensive and easy-to-use coverage of everything from hormone activity, diagnostic techniques, imaging modalities, and molecular genetics, to total care of the patient. Apply the latest practices with guidance from expert authors who contribute fresh perspectives on every topic. There's no other A&P text that equals Anatomy & Physiology for its student-friendly writing, visually engaging content, and wide range of learning support. Focusing on the unifying themes of structure and function in homeostasis, this dynamic text helps you easily master difficult material with consistent,

thorough, and non-intimidating explanations. You can also connect with the textbook through a number of electronic resources, including the engaging A&P Online course, an electronic coloring book, online tutoring, and more! Creative, dynamic design with over 1400 full-color photographs and drawings, plus a comprehensive color key, illustrates the most current scientific knowledge and makes the information more accessible. UNIQUE! Consistent, unifying themes in each chapter such as the Big Picture and Cycle of Life sections tie your learning together and make anatomical concepts relevant. UNIQUE! Body system chapters have been broken down into separate chapters to help you learn material in smaller pieces. UNIQUE! A&P Connect guides you to the Evolve site where you can learn more about related topics such as disease states, health professions, and more. Quick Guide to the Language of Science and Medicine contains medical terminology, scientific terms, pronunciations, definitions, and word part breakdowns for key concepts. Brief Atlas of the Human of the Human Body contains more than 100 full-color supplemental photographs of the human body, including surface and internal anatomy. Smaller, separate chapters for Cell Reproduction, Autonomic Nervous System, Endocrine Regulation, and Endocrine Glands. Expansion of A&P Connect includes Protective Strategies of the Respiratory Tract, "Meth Mouth," Chromosome Territories, Using Gene Therapy, and Amazing Amino Acids. Art and content updates include new dynamic art and the most current information available. As riveting and current as today's headlines, CRIMINAL JUSTICE IN ACTION, Ninth Edition, is designed with today's busy students and instructors in mind. Concepts make sense to students, thanks to vivid straight-from-the-headlines vignettes at the beginning of every chapter and plentiful real-world examples throughout the book. Choosing what's important to remember is a snap with each chapter's numbered objectives, which are reinforced throughout the chapter as well as in the book's supplementary items. Thinking critically and writing become less intimidating for students with the guidance of practical writing activities. Reviewers praise the book's crisp, clear topic coverage as well as its engaging magazine-style design and captivating writing, which combine to draw students into the material. And, with this edition's expanded coverage of ethics, policy, and discretion, students gain a panoramic view of key criminal justice issues that goes far beyond learning facts and the law. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Textbook of Physiology for Medical Students, 2nd Edition - E-Book Understanding the normal functions of the body is essential for successful veterinary practice and for understanding the mechanisms of disease. The 5th edition of Textbook of Veterinary Physiology approaches this vast subject in a practical, user-friendly way that helps you understand how key concepts relate to clinical practice. From cell physiology to body system function to homeostasis and immune function, this comprehensive text gives you the solid foundation you need to provide effective veterinary care. Clinical Correlations boxes present case studies that illustrate how to apply physiology principles and concepts to the diagnosis and treatment of veterinary patients. Key Points at the beginning of each chapter introduce new concepts and help you prepare for exams. Practice questions at the end of each chapter test your understanding of what you've just read and provide valuable review for exams. Full-color format highlights helpful information and enhances learning with a wealth of illustrations that visually depict specific functions and conditions. Expanded resources on the companion Evolve website include state-of-the-art 3D animations, practice questions, a glossary, and additional Clinical Correlations not found in the text. Now in its fifth edition, the Textbook of Diabetes has established itself as the modern, well-illustrated, international guide to diabetes. Sensibly organized and easy to navigate, with exceptional illustrations, the Textbook hosts an unrivalled blend of clinical and scientific content. Highly-experienced editors from across the globe assemble an outstanding set of international contributors who provide insight on new developments in diabetes care and information on the latest treatment modalities used around the world. The fifth edition features an array of brand new chapters, on topics including: Ischaemic Heart Disease Glucagon in Islet Regulation Microbiome and Diabetes Diabetes and Non-Alcoholic Fatty Liver Disease Diabetes and Cancer End of Life Care in Diabetes as well as a new section on Psychosocial aspects of diabetes. In addition, all existing chapters are fully revised with the very latest developments, including the most recent guidelines from the ADA, EASD, DUK and NICE. Includes free access to the Wiley Digital Edition providing search across the book, the full reference list with web links, illustrations and photographs, and post-publication updates Via the companion website, readers can access a host of additional online materials such as: 200 interactive MCQ's to allow readers to self-assess their clinical knowledge every figure from the book, available to download into presentations fully searchable chapter pdfs Once again, Textbook of Diabetes provides endocrinologists and diabetologists with a fresh, comprehensive and multi-media clinical resource to consult time and time again. The social, political, and cultural consequences of attempts to cheat death by freezing life. As the planet warms and the polar ice caps melt, naturally occurring cold is a resource of growing scarcity. At the same time, energy-intensive cooling technologies are widely used as a means of preservation. Technologies of cryopreservation support global food chains, seed and blood banks, reproductive medicine, and even the preservation of cores of glacial ice used to study climate change. In many cases, these practices of freezing life are an attempt to cheat death. Cryopreservation has contributed to the transformation of markets, regimes of governance and ethics, and the very relationship between life and death. In Cryopolitics, experts from anthropology, history of science, environmental humanities, and indigenous studies make clear the political and cultural consequences of extending life and deferring death by technoscientific means. The contributors examine how and why low temperatures have been harnessed to defer individual death through freezing whole human bodies; to defer nonhuman species death by freezing tissue from endangered animals; to defer racial death by preserving biospecimens from indigenous people; and to defer large-scale human death through pandemic preparedness. The cryopolitical lens, emphasizing the roles of temperature and time, provokes new and important questions about living and dying in the twenty-first century. Contributors Warwick Anderson, Michael Bravo, Jonny Bunning, Matthew Chrulew, Soraya de Chadarevian, Alexander Friedrich, Klaus Hoeyer, Frédéric Keck, Eben Kirksey, Emma Kowal, Joanna Radin, Deborah Bird Rose, Kim TallBear, Charis Thompson, David Turnbull, Thom van Dooren, Rebecca J. H. Woods Prompted by the acceptance of the first edition, this endeavour of the author (the 2nd edition) incorporates thoroughly revised and updated text, organized into twelve sections arranged in three parts. Part I: General Physiology – covers the text in five chapters of a section. Part II: Systemic Physiology – comprises a total of ten sections, one on each body system. Part III: Specialized Integrated Physiology – includes seven chapters arranged in a section. • Text completed and updated with recent advances to cater the needs of postgraduates in Physiology. • Quick introduction to functional anatomy followed by systematic presentation of the text is unique feature of this book. • Inclusion of additional molecular and applied aspects makes the special features of this edition. • Applied physiology, highlighted in the boxes, has been expanded and updated with recent concepts on pathophysiology and advances in basic and advanced investigations and therapeutic principles. • Text and figures in an attractive four colored format. • Illustrated with more

than eleven hundred colored diagrams with many new additions. • Complemented with numerous tables and flowcharts for quick comprehension. The 13th edition of Guyton and Hall Textbook of Medical Physiology continues this bestselling title's long tradition as the world's foremost medical physiology textbook. Unlike other textbooks on this topic, this clear and comprehensive guide has a consistent, single-author voice and focuses on the content most relevant to clinical and pre-clinical students. The detailed but lucid text is complemented by didactic illustrations that summarize key concepts in physiology and pathophysiology. Emphasizes core information around how the body must maintain homeostasis in order to remain healthy, while supporting information and examples are detailed. Summary figures and tables help quickly convey key processes covered in the text. Reflects the latest advances in molecular biology and cardiovascular, neurophysiology and gastrointestinal topics. Bold full-color drawings and diagrams. Short, easy-to-read, masterfully edited chapters and a user-friendly full-color design. Clinical vignettes throughout the text all you to see core concepts applied to real-life situations. Brand-new quick-reference chart of normal lab values included. Increased number of figures, clinical correlations, and cellular and molecular mechanisms important for clinical medicine. Medicine eBook is accessible on a variety of devices. This book provides an up-to-date information on microbial diseases which is an emerging health problem world over. This book presents a comprehensive coverage of basic and clinical microbiology, including immunology, bacteriology, virology, and mycology, in a clear and succinct manner. The text includes morphological features and identification of each organism along with the pathogenesis of diseases, clinical manifestations, diagnostic laboratory tests, treatment, and prevention and control of resulting infections along with most recent advances in the field. About the Author : - Subhash Chandra Parija, MD, PhD, DSc, FRCPath, is Director-Professor and Head, Department of Microbiology, Jawaharlal Institute of Postgraduate Medical Education and Research(JIPMER), Pondicherry, India. Professor Parija, author of more than 200 research publications and 5 textbooks, is the recipient of more than 20 National and International Awards including the most prestigious Dr BC Roy National Award of the Medical Council of India for his immense contribution in the field of Medical Microbiology. Chapters have been rearranged and often split to work towards one chapter-one lecture model. Learning objectives and glossary of terms in the beginning of every chapter. 56 Videos and animations 120 Multiple choice questions The main aim of the Second South Asia Edition is to meet the needs of the undergraduate medical students and faculty on South Asia by aligning the book to the teaching methods in the subcontinent. The second edition of the Textbook of Microbiology and Immunology provides a fully updated text on various aspects of microbiology and infectious diseases, which makes it the most authoritative and informative text in medical microbiology. It is a must have book for preparing MBBS examination as well as for preparing PG entrance test. Clear, succinct, and comprehensive information on various aspects of microbiology and immunology. Thoroughly revised information. Key Points highlighting the need to know aspects of the discussed topics. Tables and figures for better understanding. Case studies at the end of chapters for self-assessment. Special emphasis on emerging and re-emerging pathogens and antimicrobial resistance. Color photographs to aid in better understanding. Covers recent advances in molecular diagnosis and vaccines. Written by midwives for midwives, Myles Textbook for Midwives has been the seminal textbook of midwifery for over 60 years. It offers comprehensive coverage of topics fundamental to 21st midwifery practice. Co-edited for the second time, by internationally renowned midwife educationalists, Professor Jayne E Marshall and Maureen D Raynor from the United Kingdom with a team of contributors from across the midwifery community it retains its clear, accessible writing style. Most chapters provide useful case studies, websites of key organisations and charities for individuals to access further information. Reflective questions at the end of each chapter as well as annotated further reading aid reflective learning and stimulate discussions relating to continuing professional development. The book covers key frameworks that govern midwifery practice, exploring ethical and legal frameworks that are essential to every accountable, autonomous, professional midwife. Includes employer-led models of supervision, vital elements of leadership and clinical governance that supports the provision of high quality maternity services and standards of midwifery practice. The concept of resilience is introduced for the reader to contemplate their personal contribution in creating an environment that is conducive to protecting the wellbeing of themselves and colleagues within the workplace. The text covers the UN 2030 Agenda for Sustainable Development, highlighting the importance of midwives as global citizens with common goals, and together they form a strong global community prepared to challenge social inequalities and take action to help end extreme poverty. Covers designing and implementing high quality midwifery care using evidence, policy and models of care. Highlights why a holistic and evidence-informed approach is necessary to achieve effective care for all. Working examples will help the reader to think critically about their own practice. For this edition several new chapters are introduced covering concealed pregnancy, fear of childbirth (tocophobia), care of the acutely unwell woman and end of life issues including rights of the fetus/neonate and ethical considerations. Covering preventive, non-invasive, and natural treatments, Textbook of Natural Medicine, 4th Edition offers more than just alternative medicine. It promotes an integrated practice that can utilize natural medicine, traditional Western medicine, or a combination of both in a comprehensive, scientific treatment plan. Based on a combination of philosophy and clinical studies, Textbook of Natural Medicine helps you provide health care that identifies and controls the underlying causes of disease, is supportive of the body's own healing processes, and is considerate of each patient's unique biochemistry. Internationally known authors Joseph Pizzorno and Michael Murray include detailed pharmacologic information on herbs and supplements, plus evidence-based coverage of diseases and conditions to help you make accurate diagnoses and provide effective therapy. Comprehensive, unique coverage makes this book the gold standard in natural medicine. A scientific presentation includes the science behind concepts and treatments, and discusses Western medical treatments and how they can work with natural medicine in a comprehensive treatment plan; if natural medicine is not effective, this book recommends the Western treatment. Coverage of pharmacology of natural medicines includes the uses and potential dangers of nearly 80 herbal medicines, special nutrients, and other natural agents, addressing topics such as general information, chemical composition, history, pharmacology, clinical applications dosage, and toxicology. In-depth, evidence-based coverage of 73 diseases and conditions includes key diagnostic criteria, pathophysiology of diseases, and therapeutic rationales. Coverage of potential interactions between drugs, herbs, and supplements ensures the safest possible use for each of 79 herbs and supplements. Diagnostic procedures include practical, easy-to-follow descriptions of evidence-based techniques plus discussions of clinical application of diet analysis, food allergy testing, immune function assessment, fatty acid profiling, hair mineral analysis, and other diagnostic approaches. Common therapeutic modalities are described and reviewed, including botanical medicine, nutritional therapy, therapeutic fasting, exercise therapy, hydrotherapy, counseling, acupuncture, homeopathy, and soft tissue manipulation. Coverage of syndromes and therapies helps in understanding the

underlying causes of diseases by discussing topics such as food reactions, functional toxicology, sports nutrition, stress management, and breathing pattern disorders. Coverage of the philosophy of natural medicine includes its history and background, with discussions of toxicity, detoxification, and scientific documentation of the healing actions of nature and natural substances. Internationally known authors Joseph Pizzorno and Michael Murray and more than 90 expert contributors provide material that is up to date, accurate, and informed. More than 10,000 research literature citations show that the content is based on science rather than opinions or anecdotes. 13 useful appendices offer quick lookup of frequently used charts, handouts, and information. Undertaken by one of the most learned and visionary scholars in the field, this work has a comprehensive and culminating quality to it, tracking major lines of insight into writing as a human practice and articulating the author's intellectual progress as a theorist and researcher across a career. This text documents the science that lies behind the expanding field of cosmetic dermatology so that clinicians can practice with confidence and researchers can be fully aware of the clinical implications of their work. New chapters have been added to this edition on photodamage, actinic keratoses, UV lamps, hidradenitis suppurativa, age-related changes in male skin, changes in female hair with aging, nonablative laser rejuvenation, and cryolipolysis, and chapters have been updated throughout to keep this at the forefront of work and practice. The Series in Cosmetic and Laser Therapy is published in association with the Journal of Cosmetic and Laser Therapy. Print Versions of this book also include access to the ebook version. This textbook presents problems and exercises at various levels of difficulty in the following areas: Classical Methods in PDEs (diffusion, waves, transport, potential equations); Basic Functional Analysis and Distribution Theory; Variational Formulation of Elliptic Problems; and Weak Formulation for Parabolic Problems and for the Wave Equation. Thanks to the broad variety of exercises with complete solutions, it can be used in all basic and advanced PDE courses. About the book this book presents concise and comprehensive coverage of the subject with emphasis on applied aspects of physiology. The concepts are explained in a simple and clear language supported by numerous diagrams, flowcharts and tables, which help in easy understanding and quick recall. Presentation of the text is tailored to suit the needs of undergraduate medical students Practical Implementation Science is designed for graduate health professional and advanced undergraduate students who want to master the steps of using implementation science to improve public health. Engaging and accessible, this textbook demonstrates how to implement evidence-based practices effectively through use of relevant theories, frameworks, models, tools, and research findings. Additional real-world case studies across public health, global health, and health policy provide essential context to the major issues facing implementation domestically and globally with consideration of communities in low-to-middle-income countries (LMIC). The textbook is organized around the steps involved in planning, executing, and evaluating implementation efforts to improve health outcomes in communities. Coverage spans assessing the knowledge-practice gap; selecting an evidence-based practice (EBP) to reduce the gap; assessing EBP fit and adapting the EBP; assessing barriers and facilitators of implementation; engaging stakeholders; creating an implementation structure; implementing the EBP; and evaluating the EBP effort. Each chapter includes a "how to" approach to conducting the task at hand. The text also addresses the practical importance of implementation science through disseminating EBPs; scaling up EBPs; sustaining EBPs; and de-implementing practices that are no longer effective. All chapters include learning objectives and summaries with emphasized Key Points for Practice, Common Pitfalls in Practice, and discussion questions to direct learning and classroom discussion. Fit for students of public health, health policy, nursing, medicine, mental health, behavioral health, allied health, and social work, Practical Implementation Science seeks to bridge the gap from scientific evidence to effective practice. Key Features: Soup to Nuts Approach – Distills the steps to selecting, adapting, implementing, evaluating, scaling up, and sustaining evidence-based practices Expert Insight – Editors and chapter authors bring years of experience from leading implementation programs and interventions Multidisciplinary Focus – Utilizes cases and research findings relevant to students of public health, medicine, nursing, mental health, behavioral health, and social work Case Studies and Real-World Examples – Blends frameworks, models, and tools with real-world examples for students interested in both domestic and global health Instructor's Packet – Complete with an Instructor's Manual, PowerPoint slides, and a Sample Syllabus The Oxford Textbook of Medicine: Cardiovascular Disorders is selected from the cardiology section of the renowned Oxford Textbook of Medicine. An authoritative resource on heart disease and beautifully illustrated in full colour, it is an essential guide to best practice in managing and preventing a wide variety of cardiovascular disorders. Chapters on arrhythmias, acute coronary syndromes and cardiac surgery have been completely revised and updated, together with new chapters on blood vessels and the endothelium, cardiac physiology, syncope and palpitations, and cardio-renal syndrome. Heart failure and heart disease in pregnancy are thoroughly treated, while imaging chapters evaluate the latest techniques and illustrate all clinical features with detailed images. In 46 finely crafted chapters with clear essentials, experts in cardiovascular disease review the essentials of diagnosis, guidelines and practice and provide a wealth of practical advice for use in clinical situations. In addition, background information on epidemiology, pathogenesis and pathophysiology encourages a fuller understanding of conditions, and more than 350 full colour images help with diagnosis. This essential reference tool supports all medical professionals seeking a general outline of treatment and prevention of cardiovascular disorders, and fills the gap between undergraduate teaching texts and specialist texts for cardiologists. Cardiologists and general physicians will find it immensely valuable when diagnosing and managing heart disease in their day-to-day practice. It is also of use for trainees in cardiology and general medicine, especially those interested in applied cardiovascular pathophysiology. The new fourth edition of Clinical Procedures retains the popular format that has been so successful in establishing previous editions. All the principal procedures a nurse is likely to be called on to perform are presented in the most practically useful way, linking the action with the underlying rationale and illustrating both with ultra-clear line artworks and photographs. This new edition brings the text into line with the Day One Skills and Competencies which now govern training of veterinary nurses, with revision and updating throughout. All the principal basic procedures are covered Uses a step-by-step 'action/rationale' approach for maximum clarity Covers companion animals, equine and exotic species Never struggle to find definitive information on basic procedures again A reference guide to best practice for both qualified and trainee veterinary nurses and veterinary technicians All skills reviewed and updated in conformity with best practice Now aligned with RCVS Day One current skills and competencies Includes self-assessment questions on each chapter All-new design improves user-friendliness Chapters 4-6 restructured with new illustrations Now with new contributors Divided in two parts, "A Textbook of Fluid Mechanics and Hydraulic Machines" is one of the most exhaustive texts on the subject for close to 20 years. For the students of Mechanical Engineering, it can easily be used as a reference text for other courses as well. Important topics ranging from Fluid Dynamics, Laminar Flow and Turbulent Flow to Hydraulic Turbines and Centrifugal pumps are well explained in this book. A

total of 23 chapters (combined both units) followed by two special chapters of 'Universities' Questions (Latest) with Solutions' and 'GATE and UPSC Examinations' Questions with Answers/Solutions' after each unit also make it an excellent resource for aspirants of various entrance examinations. Processes involving randomly moving particles, which react either upon encounter or via distance-dependent reaction rates, are ubiquitous in nature. A few stray examples are recombination of ions or holes and electrons, excitation energy migration and quenching, trapping of particles by other species, coagulation, binding of ligands and proteins to specific sites, chemotaxis, catalytically-induced self-propulsion, polymerization, growth of dendrites or aggregates, or nuclei of a new phase. Several decades ago, it was recognized that the kinetic behavior in some systems with reactions and random transport is strongly affected by many factors, which were not taken into account in previous studies. These are, to name but a few, fluctuations in the spatial distributions of the reactants and fluctuations of the reactivity, some essentially many-particle phenomena, effects of anomalous diffusion, molecular crowding, as well as the internal geometry of the reaction bath. Within recent years, along with a growing interest in chemical processes occurring in biological systems or cellular environments, numerous advances have been made and considerable knowledge has been acquired. These seminal contributions are, however, scattered among many journals and no attempt has been made so far to present a unified picture. This book presents a general overview of different contemporary facets of chemical kinetics in a variety of different environments. It includes 23 seminal works and reviews on different aspects of reaction processes in chemical, physical and biophysical systems, both theoretical and experimental. Guyton and Hall Textbook of Medical Physiology, Jordanian Edition E-Book Concise, current, and richly illustrated, this one-of-a-kind text encompasses cellular and molecular biological concepts as well as classical morphology to present histology from a functional perspective. A wealth of superb illustrations - including light and electron micrographs as well as schematic diagrams and three-dimensional drawings - make all concepts easy to understand, and clinical correlations underscore the practical relevance of the material. Helpful tables and summary statements summarize vital information at a glance. This title includes additional digital media when purchased in print format. For this digital book edition, media content is not included. Features an abundance of illustrations, including micrographs, diagrams, drawings, and tables that clarify essential information. Provides clinical considerations in each chapter when appropriate. Key terms are bold face and chapter summaries alert students to important content. Provides a comprehensive cross-referenced index for easy location of needed information. Contains a set of PowerPoint™ slides on CD-ROM, prepared by the authors, that offers you a convenient way to review the most essential information from the text. Offers more light micrographs and electron micrographs than ever before - with an increased number of labels in each micrograph to completely identify all of the features represented. Provides an increased focus on molecular biology. Delivers more clinical correlations throughout to more thoroughly demonstrate clinical implications. This title includes additional digital media when purchased in print format. For this digital book edition, media content is not included. The Model Rules of Professional Conduct provides an up-to-date resource for information on legal ethics. Federal, state and local courts in all jurisdictions look to the Rules for guidance in solving lawyer malpractice cases, disciplinary actions, disqualification issues, sanctions questions and much more. In this volume, black-letter Rules of Professional Conduct are followed by numbered Comments that explain each Rule's purpose and provide suggestions for its practical application. The Rules will help you identify proper conduct in a variety of given situations, review those instances where discretionary action is possible, and define the nature of the relationship between you and your clients, colleagues and the courts.

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