

Sk Sahdev Et Book

Although, a number of books, written by various authors on the subject are available in the market. However, the author feels that this book will facilitate the students not only to prepare for the regular University examinations. The book is also quite suitable for the professionals since many live examples have been incorporated. The book has the following exclusive features: (i) The Learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students. (ii) Practice exercise have been added in all the chapters after suitable intervals to impart necessary practice. (iii) At the end of each chapter, its summary highlights are given. This will enable the students to revise the subject matter quickly. (iv) A number of short answer and test questions have been given at the end of each chapter. While answering these questions, the readers will have to think deep into the subject matter. This will improve their analytical approach. Consequently, the students/readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems. (v) A sufficient number of objective type questions (MCQ) have been given at the end of each chapter. These questions will help the students to perform better in the competitive examinations. (vi) The subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily. Although, typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding.

For close to 30 years, Basic Electrical Engineering has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Effectively apply the latest techniques and approaches with complete updates throughout including 4 new sections (Abdominal Imaging, The Spine, Oncological Imaging, and Interventional Radiology) and 28 brand new chapters. Gain the fresh perspective of two new editors—Jonathan Gillard and Cornelia Schaefer-Prokop -- eight new section editors -- Michael Maher, Andrew Grainger, Philip O ' Connor, Rolf Jager, Vicky Goh, Catherine Owens, Anna Maria Belli, Michael Lee -- and 135 new contributors. Stay current with the latest developments in imaging techniques such as CT, MR, ultrasound, and coverage of hot topics such as: Image guided biopsy and ablation techniques and Functional and molecular imaging. Solve even your toughest diagnostic challenges with guidance from nearly 4,000 outstanding

illustrations. Quickly grasp the fundamentals you need to know through a more concise, streamlined format. Offers key concepts of electrical machines embedded with solved examples, review questions, illustrations and open book questions.

Electronic Systems and Intelligent Computing

Basic Electrical and Electronics Engineering:

Mycobacterium Tuberculosis: Molecular Infection Biology, Pathogenesis, Diagnostics and New Interventions

Neonatal Hematology

The BMT Data Book

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

Electrical Machines Cambridge University Press

The prevalence of hypertension is almost three times as high as that of diabetes mellitus type 2, with both conditions being major risk factors for stroke, ischemic heart disease, cardiac arrhythmias, and heart failure. The exact prevalence of hypertension related to hormonal derangements (endocrine hypertension) is not known but estimated to affect less than 15% of hypertensive patients. Recent scientific discoveries have increased the understanding of the pathophysiologic mechanisms of hypertension. In Endocrine Hypertension, a renowned panel of experts provides a comprehensive, state-of-the-art overview of this disorder, discussing when to assign an endocrine cause in one of many conditions that may present with hypertension. The first part of Endocrine Hypertension is dedicated to adrenal causes. The second part of the volume concerns potential nonadrenal causes of hypertension, such as growth hormone excess or deficiency, primary hyperparathyroidism, vitamin D deficiency, testosterone deficiency, insulin resistance, obesity-associated hypertension, and the role of central mineralocorticoid receptors and cardiovascular disease. An important contribution to the literature, Endocrine Hypertension is an indispensable reference not only for endocrinologists, diabetologists, and adrenal investigators, but also for translational scientists and clinicians from

cardiology, internal medicine, pediatrics, family medicine, geriatrics, urology, and reproductive medicine / gynecology.

An extensive and easy-to-read guide covering the fundamental concepts of electrical machines, highlighting transformers, motors, generators and magnetic circuits. It provides in-depth discussion on construction, working principles and applications of various electrical machines. The design of transformers, functioning of generators and performance of induction motors are explained through descriptive illustrations, step-by-step solved examples and mathematical derivations. A separate chapter on special purpose machines offers important topics such as servomotors, brushless motors and stepper motors, which is useful from industrial perspective to build a customized machine. Supported by 400 solved examples, 600 figures, and more than 1000 self-assessment exercises, this is an ideal text for one or two-semester undergraduate courses on electrical machines under electrical and electronics engineering.

Advances in Signal Processing and Communication

Social and Sustainability Marketing

The Purāna Text of the Dynasties of the Kali Age

Campbell Walsh Wein Urology, E-Book

Pheochromocytoma (PHEO) and Paraganglioma (PGL)

An essential guide to the data, basic science, outcome studies and decision-making processes in blood and marrow stem cell transplantation.

The self-potential method enables non-intrusive assessment and imaging of disturbances in electrical currents of conductive subsurface materials. It has an increasing number of applications, from mapping fluid flow in the subsurface of the Earth to detecting preferential flow paths in earth dams and embankments. This book provides the first full overview of the fundamental concepts of this method and its applications in the field. It discusses a historical perspective, laboratory investigations undertaken, the inverse problem and seismoelectric coupling, and concludes with the application of the self-potential method to geohazards, water resources and hydrothermal systems. Chapter exercises, online datasets and analytical software enable the reader to put the theory into practice. This book is a key reference for academic researchers and professionals working in the areas of geophysics, environmental science, hydrology and geotechnical engineering. It will also be valuable reading for related graduate courses.

From the basic science underpinnings to the most recent developments in medical and surgical care, Campbell-Walsh-Wein Urology offers a depth and breadth of coverage you won't find in any other urology reference. Now in three manageable volumes, the revised 12th Edition is a must-have text for students, residents, and seasoned practitioners, with authoritative, up-to-date content in an intuitively organized, easy-to-read format featuring key points, quick-reference tables, and handy algorithms throughout. Features shorter, more practical chapters that help you find key information quickly. Includes new chapters on Urinary Tract Imaging: Basic Principles of Nuclear Medicine · Ethics and Informed Consent · Incisions and Access · Complications of Urologic Surgery · Urologic Considerations in Pregnancy · Intraoperative Consultation · Special Urologic Considerations in Transgender Individuals · and more. Covers hot topics such as minimally invasive and robotic surgery; advancements in urologic oncology, including innovative therapeutics for personalized medicine; new approaches to male infertility; technological advances for the treatment of stones; and advances in imaging modalities. Incorporates current AUA/EAU guidelines in each chapter as appropriate Updates all chapters with new content, new advances, and current references and best practices. Extensively updated chapters include Urological Immunotherapy, Minimally Invasive Urinary Diversion, and Updated Focal Therapy for Prostate Cancer. Features more than 175 video clips, including all-new videos on perineal ultrasound, abdominoplasty in prune belly syndrome, partial penectomy, low dose rate brachytherapy, and many more. Written and edited by key opinion leaders, reflecting essential changes and controversies in the field. This textbook "Basic Electrical Engineering" is based on the latest syllabus of the Universities, AICTE and Educational Institutes. In this edition, some material of the book has been rewritten to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added. Various problems with answers have been added to support the text. For quick revision, summary/highlights are given at the end of each chapter. Salient Features: · DC Circuits · AC Circuits · Transformers · Electrical Machines · Power converters · Electrical Installations

The Self-Potential Method

Basic Electrical Engineering (Vel Tech)

Dendrimers in Biomedical Applications

Including Cellular Therapy

Underlying Mechanisms and Therapy

Dendrimers are important molecules that are currently undergoing investigation for use in a variety of different biomedical applications. This book explores the use of dendrimers for a variety of potential functions, including anti-amyloidogenic agents, drug delivery systems, nucleic acid and RNA delivery vectors and to produce hybrid fibre platforms for nanotechnology. Following the work of COST action TD0802, the main objective of which is to improve existing therapies and find new drugs based on dendrimers, the book will provide comprehensive coverage of

dendrimer applications. Coverage includes modelling and molecular dynamic studies of dendrimers and dendrons, anionic dendrimer polymers, cationic carbosilane dendrimers and self-assembled multivalent dendrimers. Providing clear indications for future research and applications, this text will appeal to chemists, biologists and materials scientists, working in both academia and industry.

Effectively perform and interpret MR body imaging with this concise, highly illustrated resource! Fundamentals of Body MRI, 2nd Edition, by Drs. Christopher Roth and Sandeep Deshmukh, covers the essential concepts residents, fellows, and practitioners need to know, laying a solid foundation for understanding the basics and making accurate diagnoses. This easy-to-use title in the Fundamentals of Radiology series covers all common body MR imaging indications and conditions, while providing new content on physics and noninterpretive skills with an emphasis on quality and safety. More than 1,400 detailed MRI images and 100 algorithms and diagrams highlight key findings and help you grasp visual nuances of images you're likely to encounter. All common body MR imaging content is covered, along with discussion of how physics, techniques, hardware, and artifacts affect results. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Newly streamlined format helps you retrieve important information more quickly. Extensively revised content on the liver, including new MRI contrast agents; new coverage of the spleen; and new safety tips and guidelines keep you up to date. New chapters on GI imaging, the prostate, and the male genitourinary system make this a one-stop reference to address the full range of body MRI.

Neonatal hematology is a fast-growing field, and the majority of sick neonates will develop hematological problems. This is an essential guide to the pathogenesis, diagnosis and management of hematologic problems in the neonate. Guidance is practical, including blood test interpretation, advice on transfusions and reference ranges for hematological values. Chapters have been thoroughly revised according to the latest advances in the field for this updated third edition. Topics discussed include erythrocyte disorders, platelet disorders, leukocyte disorders, immunologic disorders and hemostatic disorders. Coverage of oncological issues has been expanded to two separate chapters on leukemia and solid tumors, making information more easily accessible. Approaches to identifying the cause of anemia in a neonate are explained, with detailed algorithms provided to aid clinicians in practice. Covering an important hematologic niche with an ever increasing amount of specialized knowledge, this book is a valuable resource for hematologists, neonatologists and pediatricians.

About the Advanced Nutrition and Dietetics book series Nutritional interventions need to be based on solid evidence, but where can you find this information? The British Dietetic Association and the publishers of the Manual of Dietetic Practice present an essential and authoritative reference series on the evidence-base relating to advanced aspects of nutrition and dietetics in selected clinical areas. Each book provides a comprehensive and critical review of key literature in the area. Each covers established areas of understanding, current controversies and areas of future development and investigation, and aims to address key themes, including: Mechanisms of disease and its impact on nutritional status, including metabolism, physiology, and genetics Consequences of disease and undernutrition, including morbidity, mortality and patient perspectives Clinical investigation and management Nutritional assessment, drawing on anthropometric, biochemical, clinical, and dietary approaches Nutritional and dietary management of disease and its impact on nutritional status Trustworthy, international in scope, and accessible, Advanced Nutrition and Dietetics is a vital resource for a range of practitioners, researchers and educators in nutrition and dietetics, including dietitians, nutritionists, doctors and specialist nurses. Written in conjunction with the British Dietetic Association, Advanced Nutrition and Dietetics in Nutrition Support provides a thorough and critical review of the fundamental and applied literature in nutrition support. Extensively evidence-based and internationally relevant, it discusses undernutrition, nutritional screening, assessment and

interventions, as well as key clinical conditions likely to require nutrition support, and the approaches to managing this in each of these conditions. Clinically oriented, Advanced Nutrition and Dietetics in Nutrition Support is the ideal reference for all those managing undernutrition in a range of clinical areas.

Methods and Protocols

Grainger & Allison's Diagnostic Radiology E-Book

Fundamentals Of Electrical Engg. & Electronics

Current Surgical Therapy E-Book

(Basic Electronics ; EDC ; Power Electronics)

Attuned to the needs of undergraduate students of engineering in their first year, Basic Electrical Engineering enables them to build a strong foundation in the subject. A large number of real-world examples illustrate the applications of complex theories. The book comprehensively covers all the areas taught in a one-semester course and serves as an ideal study material on the subject.

This book is a new addition for a broad-spectrum library in ophthalmology and other specialties in medicine of "InTech." It addresses ocular infections. These infections may result in blindness if not correctly diagnosed and promptly treated. Therefore, it is essential to be fully aware and knowledgeable about the manifestations of these diseases, and this book covers some of the different aspects of them. The chapters were written by experts from around the globe and these reflect the importance of the subject. The book is aimed for ophthalmologists, residents in ophthalmology and infectious diseases, general practitioners, and researchers in hope to advance the knowledge for the benefit of the world habitants wherever they are.

An ideal resource for written, oral, and recertifying board study, as well as an excellent reference for everyday clinical practice, Current Surgical Therapy, 13th Edition, provides trusted, authoritative advice on today's best treatment and management options for general surgery. Residents and practitioners alike appreciate the consistent, highly formatted approach to each topic, as well as the practical, hands-on advice on selecting and implementing current surgical approaches from today's preeminent general surgeons. Provides thoroughly updated information throughout all 263 chapters, including focused revisions to the most in-demand topics such as management of rectal cancer, inguinal hernia, and colon cancer. Presents each topic using the same easy-to-follow format: disease presentation, pathophysiology, diagnostics, and surgical therapy. Includes seven all-new chapters: REBOA in Resuscitation of the Trauma Patient, Treatment of Varicose Veins, Management of Infected Grafts, Radiation for Pancreatic Malignancies, Pneumatosis Intestinalis, Proper Use of Cholecystostomy Tubes, and Pelvic Fractures. Integrates all minimally invasive surgical techniques into relevant chapters where they are now standard management. Discusses which approach to take, how to avoid or minimize complications, and what outcomes to expect. Features full-color images throughout, helping you visualize key steps in each procedure. Helps you achieve better outcomes and ensure faster recovery times for your patients. Provides a quick, efficient review prior to surgery and when preparing for surgical boards and ABSITES. Several genetic, biochemical and radiologic discoveries have impacted the management of endocrine hypertension, while

surgical procedures have revolutionized treatment of patients with endocrine hypertension. This text contains the proceedings of a 2001 workshop on the topic.

Select Proceedings of ICSC 2018

Basic Electrical Engineering

Fundamentals of Body MRI E-Book

Advances in Common Eye Infections

Fundamentals of Electrical Engineering & Electronics

In Adrenal Disorders, a panel of distinguished physicians and researchers select the most relevant new findings and integrate them into the existing body of clinical knowledge on adrenal pathologies. The book includes important reviews of disturbances in cortisol homeostasis, and new concepts regarding adrenal tumors and hereditary adrenal diseases. Also discussed are mineralocorticoids and the syndromes of mineralocorticoid excess and aldosterone synthase deficiency. Authoritative and insightful, Adrenal Disorders provides physicians and scientists with a comprehensive, state-of-the-art practical guide to the devastating diseases of the adrenals that are so often difficult to diagnose and treat.

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Each volume in the Early Detection and Treatment of Cancer Series is packed with practical, authoritative information designed to cover the full range of diagnostic procedures, including pathologic, radiologic, bronchoscopic, and surgical aspects. You'll be able to determine the safest, shortest, least invasive way to reach an accurate diagnosis; stage the disease; and choose the best initial treatment for early stages. Based on current evidence in the literature, authors provide clinical, hands-on tools to help you make informed decisions on precisely what tests and imaging studies are needed to diagnose and stage each type of cancer. Practical, authoritative, and highly-illustrated, this volume in the brand new Early Detection and Treatment of Cancer series covers current protocols and the latest advances in diagnostic imaging and molecular and serologic markers for ovarian cancer. Apply expert advice on the best "next-step plan for different presentations and tips for less invasive protocols. Get clinical, hands-on tools to help you make informed decisions on precisely what tests and imaging studies are needed for accurate diagnosis and staging. Clear figures, tables, and boxes illustrate step-by-step care of the full range of problems encountered. Better manage your patients with procedural video clips and more on the included CD-ROM. The small size and convenient format make this an ideal purchase for diagnostic reference. Outlines the steps after diagnosis to guide you through formulating a treatment or patient care plan. Emphasizes important points—such as vaccines, paracentesis, and laparoscopic procedures for staging—with "key points boxes at the beginning of each chapter and pedagogic features throughout. Summarizes the process of accurately diagnosing and staging cancer in a logical, almost algorithmic, approach for easy reference. Discusses the treatment of early-stage disease so you have clear options for care. Complements the procedures outlined in the text with full-color photographs and line drawings to reinforce your understanding of the material. Features a CD-ROM showing video clips of diagnostic procedures, as well as all of the images, tables, and drawings from the text to help you better manage your patients.

This book presents selected, high-quality research papers from the International Conference on Electronic Systems and Intelligent Computing (ESIC 2020), held at NIT Yupia, Arunachal Pradesh, India, on 2 – 4 March 2020. Discussing the latest challenges and solutions in the field of

smart computing, cyber-physical systems and intelligent technologies, it includes papers based on original theoretical, practical and experimental simulations, developments, applications, measurements, and testing. The applications and solutions featured provide valuable reference material for future product development.

For All Branches of Engineering, AMIE Non-diploma Stream and Diploma Students

A Casebook for Reaching Your Socially Responsible Consumers through Marketing Science

As Per New Syllabus of S.B.T.E. Punjab - 2004 Common for ECE, Electronics (MP), ETE and Comp. Engg

Geocology of Landscape Dynamics

Campbell-Walsh Urology E-Book

This book provides an overview of the ecological indicators of landscape dynamics in the context of geographical landscape integration. Landscape dynamics depicts every change that occurs in the physical, biological, and cognitive assets of a landscape. To understand and interpret the complex physical, biological, and cognitive phenomena of landscapes, it is necessary to operate conceptually and practically on a broad range of spatial and temporal scales. Rapid land use changes have become a concern to environmentalists and planners because of their impacts on the natural ecosystem, which further determines socioeconomic dynamics. In this regard, the book discusses case studies that share new insights into how landscape patterns and processes impact small creatures, and how small creatures in turn influence landscape structure and composition. In turn, the relevant aspects of land use and land cover dynamics are covered, and the multi-faceted relationship between the substrata and ecological community is highlighted. The book is unique in its focus on the application of spatial informatics such as automatic building extraction from high-resolution imagery; a soil resource inventory for meeting the challenges of land degradation; hydrological modeling; the temporal variation analysis of glacier area and the identification and mapping of glacial lakes; morphometric analysis of river basins; and the monitoring and modeling of urban sprawl, among other features.

This book is a collection of selected peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in electronics and electrical engineering, as well as other allied fields.

Internationally lauded as the preeminent text in the field, Campbell-Walsh Urology continues to offer the most comprehensive coverage of every aspect of urology. Perfect for urologists, residents, and practicing physicians alike, this updated text highlights all of the essential concepts necessary for every stage of your career, from anatomy and physiology through the latest diagnostic approaches and medical and surgical treatments. The

predominant reference used by The American Board of Urology for its examination questions. Algorithms, photographs, radiographs, and line drawings illustrate essential concepts, nuances of clinical presentations and techniques, and decision making. Key Points boxes and algorithms further expedite review. Features hundreds of well-respected global contributors at the top of their respective fields. A total of 22 new chapters, including Evaluation and Management of Men with Urinary Incontinence; Minimally-Invasive Urinary Diversion; Complications Related to the Use of Mesh and Their Repair; Focal Therapy for Prostate Cancer; Adolescent and Transitional Urology; Principles of Laparoscopic and Robotic Surgery in Children; Pediatric Urogenital Imaging; and Functional Disorders of the Lower Urinary Tract in Children. Previous edition chapters have been substantially revised and feature such highlights as new information on prostate cancer screening, management of non-muscle invasive bladder cancer, and urinary tract infections in children. Includes new guidelines on interstitial cystitis/bladder pain syndrome, uro-trauma, and medical management of kidney stone disease. Anatomy chapters have been expanded and reorganized for ease of access. Boasts an increased focus on robotic surgery, image-guided diagnostics and treatment, and guidelines-based medicine. Medicine eBook is accessible on a variety of devices.

With insolubility proving to be one of the most crippling bottlenecks in the protein production and purification process, this volume serves to aid researchers working in the recombinant protein production field by describing a wide number of protocols and examples. Insoluble Proteins: Methods and Protocols includes chapters that describe not only the recombinant protein production in different expression systems but also different purification and characterization methods to finally obtain these difficult-to-obtain proteins. Beginning with protein production methods using both prokaryotic and eukaryotic expression systems, the book continues with purification protocols using insoluble proteins, the characterization of insoluble proteins, as well as a general overview of interesting applications of insoluble proteins. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Comprehensive and practical, Insoluble Proteins: Methods and Protocols aims to provide the scientific community with detailed and reliable state-of-the-art protocols that are used in order to successfully produce and purify recombinant proteins prone to aggregate.

Early Diagnosis and Treatment of Cancer Series: Ovarian Cancer E-Book

Insoluble Proteins

Pathogenesis, Diagnosis, and Management of Hematologic Problems

Endocrine Hypertension

Theory and Applications in Environmental Geosciences

An accessible analysis of the relationship between folk psychology and contemporary scientific psychology.

"... an important intervention in the conversation around social and ecological sustainability that draws on both micromarketing and macromarketing scholarship to help the reader understand the challenges with illustrations from insightful cases both from emerging and developed economies. This compilation should be essential reading for the discerning student of sustainable consumption and production." -- Professor Pierre McDonagh, Associate Editor, Journal of Macromarketing (USA); Professor of Critical Marketing & Society, University of Bath, UK Experts in the field of economics, management science, and particularly in the marketing domain have always been interested in and acknowledged the importance of sustaining profitable businesses while incorporating societal and environmental concerns; however, the level of existing literature and availability of teaching cases reflect a dearth of real case studies, especially those focused on marketing for social good. This book of actual case studies will address that need. In addition, this book is important and timely in providing a case book for instructors (those in both industry and academia) to help them in teaching and training the next generation of leaders through corporate training and universities. Currently, marketing for social good is increasingly becoming a part of most curriculums under the umbrella of different titles, such as social marketing, green marketing, and sustainability marketing. The relevance of these studies is increasing across the globe. This book is composed of long and short real cases with varying complexity in different sectors. This case book will also cover some review articles for an overview of the recent developments in the study area. With these case studies, collections of questions, teaching materials, and real-life marketing scenarios, this book offers a unique source of knowledge to marketing professionals, students, and educators across the world. The main objective of this case book is to understand the applicability of marketing science (marketing for social good context, such as social marketing and sustainability marketing) in internet marketing related to e-buying behavior and e-WOM. In addition, it illustrates the various types of existing marketing practices that are relevant from both theoretical and practical points of view in this electronic era, as well as discussing other non-electronic marketing practices and focusing on consumer buying behavior. As a result, marketing managers can treat their customers according to their desired value. This book particularly explores the possibilities and advantages created by social marketing and sustainability marketing through the presentation of thorough review articles and case studies. This case book helps corporate training centers and universities with compact teaching reference materials in their relevant courses. This book outlines some new advances in genetics, clinical evaluation, localization, therapy (newly including immunotherapy) of pheochromocytoma and paraganglioma including their metastatic counterparts. Well-known and experienced clinicians and scientists contributed to this book to include some novel approaches to these tumors. This book will serve to various health care professionals from different subspecialties, but mainly oncologists, endocrinologists, endocrine surgeons, pediatricians, and radiologists. This book shows that the field of pheochromocytoma/paraganglioma is evolving and a significant progress has been made in last 5 years requiring

that health care professionals and scientists will learn new information and implement it in their clinical practice or scientific work, respectively. This book should not be missed by anybody who is focusing on neuroendocrine tumors, their newest evaluation and treatment.

Electric Machinery Fundamentals continues to be a best-selling machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. Although not a book on MATLAB, the use of MATLAB has been enhanced in the fourth edition. Additionally, many new problems have been added and remaining ones modified. Electric Machinery Fundamentals is also accompanied by a website that provides solutions for instructors, as well as source code, MATLAB tools, and links to important sites for students.

Electronic Devices and Circuits

Basic Electronics

Advanced Nutrition and Dietetics in Nutrition Support

Adrenal Disorders

The Philosophy of Psychology

This book reviews recent advances in the molecular and infection biology, pathology, and molecular epidemiology of Mycobacterium tuberculosis, as well as the identification and validation of novel molecular drug targets for the treatment of this mycobacterial disease. Despite being completely curable, tuberculosis is still one of the leading global causes of death. M. tuberculosis, the causative organism – one of the smartest pathogens known – adopts highly intelligent strategies for survival and pathogenesis. Presenting a wealth of information on the molecular infection biology of M. tuberculosis, as well as nontuberculous mycobacteria (NTM), the book provides an overview of the functional role of the PE/PPE group of proteins, which is exclusive to the genus Mycobacteria, of host-pathogen interactions, and virulence. It also explores the pathogenesis of the infection, pathology, epidemiology, and diagnosis of NTM. Finally it discusses current and novel approaches in vaccine development against tuberculosis, including the role of nanotechnology. With state-of-the-art contributions from experts in the respective domains, this book is an informative resource for practitioners as well as medical postgraduate students and researchers.

Fundamentals of Electrical Engineering

Proceedings of ESIC 2020

Electrical Machines

Principles of Electric Machines and Power Electronics