

Control System Book Bhide

The target readers for this book are academics and engineers working in universities, research institutes and industry sectors wishing to enhance their knowledge about power system stability. Readers of this book should gain technical ideas and special experience with detailed information about small signal stability, dynamics, modeling, power oscillations and electrical power infrastructures relating to power system stability. The contents of this book provide many solutions to problems that can be integrated into larger research findings and projects. The book addresses some power system stability studies such as an overview of power systems and stability criteria, applications of the trajectory sensitivity theory to small signal stability, power system small signal stability in grid connected smart park, power system dynamics and modeling. The book also describes some recent developments in power oscillations due to ferroresonance, sub synchronous resonance and effects of climate change in electric power infrastructures.

Because actual control systems frequently contain nonlinear components, considerable emphasis is given to such components. The book goes on to show that important information concerning the basic or inherent operating characteristics of a system may be obtained from knowledge of the steady-state behavior.

While the number of vector-borne diseases and their incidence in Europe is much less than in tropical and/or developing countries, there are nevertheless a substantial number of such infections in Europe. The most important one is the zoonotic arbovirus infection Tick-Borne Encephalitis (TBE), a virus transmitted to humans by ticks or by consumption of unpasteurized dairy products from infected cows, goats, or sheep. TBE is endemic in the non-tropical Eurasian forest belt with most cases occurring in Russia and in central and eastern parts of Europe. In endemic areas, TBE is one of the most important causes of viral meningitis/encephalitis and a major public health concern. Moreover, TBE is becoming more and more frequent in Europe due to the appearance of new endemic areas and increasing awareness. However, it might be difficult to diagnose TBE, because clinical manifestations tend to be relatively nonspecific. Although a standardized case definition across the European Union has existed now for a few years, national implementation of TBE programs, including regular screening and diagnosis, are done in only very few countries. Therefore, wide differences in the intensity and quality of national surveillance of TBE cases still exist, and the true burden of disease and the areas with circulation of the TBE viral subtypes in Europe and Asia are not fully known. Moreover, although safe and effective vaccines are available, vaccination uptake in most endemic countries is too low to reduce the TBE burden significantly. The authors of 'The TBE Book' therefore have tried to compile in this "working book" the most recent and relevant aspects of TBE.

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.

Digital power system protection, as a subject, offers the use of computers in power line relaying which is the act of automatically controlling the power system via instrumentation and control devices. This book is an attempt to make a gentle introduction to the nitty-gritty of digital relays. Written in a simple, clear and student-friendly style, this text covers basics of digital processing of analog signals for the purpose of relaying. All important basic algorithms that are used in various types of digital relays have been explained. FIR and IIR filters have been presented in such a manner that students will be able to develop intuitive understanding. The book also covers DFT and FFT and synchrophasor technology in details. MATLAB programs and Excel simulations have been given to reinforce the comprehension of the algorithms. This book has been thoroughly class-room tested and based on course notes which is primarily intended for undergraduate and postgraduate students of electrical engineering. Key Features • In-depth coverage of DSP fundamentals • Pedagogical tools like figures, flowcharts, block diagrams and tables have been extensively used • Review questions are given at the end of each chapter • Extensive references to literature on power system protection

This book discusses critical policy issues that need to be addressed if India wishes to achieve the SDG 1 based elusive goal of ending poverty in the country. In its nine chapters, it takes the readers through trends and estimates of poverty in India, explains changes in the way it has been measured over time and the factors that lead to persistence of poverty, draws attention to the fact that hunger is both a cause and an effect of poverty and has gender and age dimensions too. The book revisits strategies that were successful in addressing poverty emanating from situations of conflict, presents a discussion on migration as a critical coping mechanism among poor, analyses the links between ill health and poverty as well as education and poverty to draw attention to the policy imperatives that need attention. India's report card on

poverty remains dismal even though there is recognition of the importance of reducing or eliminating or ending it at both national and global levels. Despite rapid economic growth and improvement on a range of development indicators, an unacceptably high proportion of India's population continues to suffer poverty in multiple dimensions. SDG 1 or "ending poverty in all its forms everywhere" cannot be achieved unless policies and poverty alleviation programmes understand and address chronic poverty and its dynamics. This requires that we estimate and understand the extent of poverty, the factors that lead to people getting stuck in it and the ways this can be addressed. It also requires understanding the dynamic nature of poverty or the fact that many of those who are poor are able to move out of poverty as well as the fact that many others who are not poor become impoverished. These are the issues that are comprehensively examined and addressed in this book. In addition to students, teachers and researchers in the areas of development, economic growth, equity and welfare, the book is also of great interest to policy makers, planners and non-government agencies who are concerned with understanding and addressing poverty-related issues in the developing countries.

This book explores various applications of deep learning-oriented diagnosis leading to decision support, while also outlining the future face of medical decision support systems. Artificial intelligence has now become a ubiquitous aspect of modern life, and especially machine learning enjoys great popularity, since it offers techniques that are capable of learning from samples to solve newly encountered cases. Today, a recent form of machine learning, deep learning, is being widely used with large, complex quantities of data, because today's problems require detailed analyses of more data. This is critical, especially in fields such as medicine. Accordingly, the objective of this book is to provide the essentials of and highlight recent applications of deep learning architectures for medical decision support systems. The target audience includes scientists, experts, MSc and PhD students, postdocs, and any readers interested in the subjects discussed. The book can be used as a reference work to support courses on artificial intelligence, machine/deep learning, medical and biomedical education.

Get the accurate, practical information you need to succeed in the classroom, the clinical setting, and on the NCLEX-RN® examination. Written by the foremost experts in maternity and pediatric nursing, the user-friendly *Maternal Child Nursing Care, 6th Edition* provides both instructors and students with just the right amount of maternity and pediatric content. This new edition includes updated case studies within Nursing Care Plans, as well as a new chapter on pediatric cancer. Focus on the family throughout emphasizes the influence of the entire family in health and illness. Expert authors of the market-leading maternity and pediatric nursing textbooks combine to ensure delivery of the most accurate, up-to-date content. Critical thinking case studies offer you opportunities to test and develop your analytical skills and apply knowledge in various settings. Nursing Care Plans include rationales for interventions and provide you with an overview and specific guidelines for delivering effective nursing care. Nursing Alerts highlight critical information that you need to know when treating patients. Guidelines boxes outline nursing procedures in an easy-to-follow format. Emergency boxes in the maternity unit guide you through step-by-step emergency procedures. Home Care boxes detail important information that you need to deliver care to patients and families in the home setting. Atraumatic Care boxes in the pediatric unit teach you how to provide competent and effective care to pediatric patients with the least amount of physical or psychological stress. Community Focus boxes emphasize community issues, provide resources and guidance, and illustrate nursing care in a variety of settings. Patient Teaching boxes in the maternity unit highlight important information nurses need to communicate to patients and families. Cultural Competence boxes equip you with the knowledge you need to deliver culturally competent care. Family-Centered Care boxes draw attention to the needs or concerns of families that you should consider to provide family-centered care. Medication Guides serve as an important reference of drugs and their interactions.

The only reference available that synthesizes this vast subspecialty into a single trustworthy resource, *Cornea, 5th Edition*, provides state-of-the-art coverage of the expanding range of contemporary corneal surgery, new diagnostic and imaging technologies, and medical management of corneal and external disease as well as ocular surface disease. Drs. Mark J. Mannis, Edward J. Holland, and a team of more than 200 global experts keep you up to date with both common and more obscure diseases and disorders and the best route to effective treatment and management, making this two-volume text a must-have resource for residents and fellows, general ophthalmologists, and seasoned cornea specialists. Features more than 2,300 exceptionally clear illustrations, diagnostic images, and step-by-step surgical photographs that offer superb visual guidance. Contains 14 new chapters, including Nanothin DSAEK, Aqueous Deficiency Dry Eye Syndrome, Evaluation of Recurrent Corneal Erosions, Evaluation of the Corneal Ulcer, Contemporary Approaches to the Biosynthetic Cornea, and Topography Guided Photorefractive Keratectomy, and more. Includes more than 80 video clips of current corneal surgery techniques, including new clips of the application of cryopreserved amniotic membrane in the treatment of acute stevens , penetrating keratoplasty, DM rupture management in STALK and in the keratonconus patient, and KAMRA corneal inlay implantation. Covers the latest developments in ocular surface transplantation, including new chapters on Conjunctival Limbal Autograft (CLAU); Living Related Conjunctival Limbal Allograft (Lr-CLAL); Keratolimbal Allograft; Cultivated Limbal Epithelial Transplantation; Simple Limbal Epithelial Transplantation; and Outcomes of Ocular Surface Transplantation. Provides key point overviews in each chapter that offer easier access to crucial information.

Get outstanding guidance from the world's most trusted reference on OB/GYN ultrasound. Now brought to you by lead editor Dr. Mary Norton, *Callen's Ultrasonography in Obstetrics and Gynecology* has been completely and exhaustively updated by a team of obstetric, gynecologic, and radiology experts to reflect the most recent advances in the field. It addresses the shift in today's practice to a collaborative effort among radiologists, perinatologists, and OB/GYNs, with new emphasis placed on genetics and clinical management. This must-have resource covers virtually all aspects of fetal,

obstetric and gynecologic ultrasound — from the common to the rare — in one essential clinical reference, allowing you to practice with absolute confidence. Highly templated, full-color format allows you to locate information more quickly. Full-color medical illustrations present key anatomic details in a clear manner. Thousands of digital-quality images depict the complete range of normal and abnormal imaging presentations. Provides extensive updates of text and images, including the latest in imaging, Doppler techniques, genetic testing, and clinical management. Brand new chapters provide up-to-date, comprehensive coverage of topics relevant to current practice: -First Trimester Fetal Anatomy -Obstetric Ultrasound and the Obese Patient -Evaluation of Pelvic Pain in the Reproductive Age Patient -Gynecologic Ultrasound in the Pediatric and Adolescent Patient -Ultrasound and Magnetic Resonance Imaging in Urogynecology -The Role of Ultrasound in Gynecologic Interventions Highlights significant new genetic testing content, including correlation with ultrasound evaluation of the fetus. Places increased emphasis on 3-dimensional imaging and correlative imaging with magnetic resonance (MR). Features new practice guidelines for obstetric evaluation (including first trimester assessment) and gynecologic management (including evaluation of the endometrium and of ovarian masses). Features new information about fetal imaging guidelines from the National Institute of Child Health and Human Development (NICHD). Provides expanded discussion of fetal, obstetric, and gynecologic interventions with new emphasis on clinical use and application of ultrasound imaging. Includes key and comprehensive reference data used for evaluation of fetal growth and other specialized measurements.

This book proposes new control and protection schemes to improve the overall stability and security of future wide-area power systems. It focuses on the high penetration levels of renewable energy sources and distributed generation, particularly with the trend towards smart grids. The control methods discussed can improve the overall stability in normal and abnormal operation conditions, while the protection methods presented can be used to ensure the secure operation of systems under most severe contingencies. Presenting stability, security, and protection methods for power systems in one concise volume, this book takes the reader on a journey from concepts and fundamentals to the latest and future trends in each topic covered, making it an informative and intriguing read for researchers, graduate students, and practitioners alike.

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. New chapters are included on hot topics such as female infertility, medicinal mushrooms, natural products and quality control, pregnancy health and primary prevention, and Vitamin K; new appendices include a supplier certification questionnaire and cervical escharotics treatment. Thorough updates ensure that you use only the most current research and provide the most effective treatment of patients. Tabs in Specific Health Problems section separate more than 70 alphabetized d

With a cast of characters that wouldn't be out of place in a Victorian novel, Chocolate Wars tells the story of the great chocolatier dynasties, through the prism of the Cadburys. Chocolate was consumed unrefined and unprocessed as a rather bitter, fatty drink for the wealthy elite until the late 19th century, when the Swiss discovered a way to blend it with milk and unleashed a product that would conquer every market in the world. Thereafter, one of the great global business rivalries unfolded as each chocolate maker attempted to dominate its domestic market and innovate new recipes for chocolate that would set it apart from its rivals. The contest was full of dramatic contradictions: The Cadburys were austere Quakers who found themselves making millions from an indulgent product; Kitty Hershey could hardly have been

more flamboyant yet her husband was moved by the Cadburys tradition of philanthropy. Each was a product of their unique time and place yet they shared one thing: they want to make the best chocolate in the world.

Textbook of Natural Medicine - E-Book

A clear, engaging writing style, hundreds of full-color images, and new information throughout make Volpe's Neurology of the Newborn, 6th Edition, an indispensable resource for those who provide care for neonates with neurological conditions. World authority Dr. Joseph Volpe, along with Dr. Terrie E. Inder and other distinguished editors, continue the unparalleled clarity and guidance you've come to expect from the leading reference in the field – keeping you up to date with today's latest advances in diagnosis and management, as well as the many scientific and technological advances that are revolutionizing neonatal neurology. Features a brand new, full-color design with hundreds of new figures, tables, algorithms, and micrographs. Includes two entirely new chapters: Neurodevelopmental Follow-Up and Stroke in the Newborn; a new section on Neonatal Seizures; and an extensively expanded section on Hypoxic-Ischemia and Other Disorders. Showcases the experience and knowledge of a new editorial team, led by Dr. Joseph Volpe and Dr. Terrie E. Inder, Chair of the Department of Pediatric Newborn Medicine at Brigham and Women's Hospital, all of whom bring a wealth of insight to this classic text. Offers comprehensive updates from cover to cover to reflect all of the latest information regarding the development of the neural tube; prosencephalic development; congenital hydrocephalus; cerebellar hemorrhage; neuromuscular disorders and genetic testing; and much more. Uses an improved organization to enhance navigation.

For many years, Protective Relaying: Principles and Applications has been the go-to text for gaining proficiency in the technological fundamentals of power system protection. Continuing in the bestselling tradition of the previous editions by the late J. Lewis Blackburn, the Fourth Edition retains the core concepts at the heart of power system analysis. Featuring refinements and additions to accommodate recent technological progress, the text: Explores developments in the creation of smarter, more flexible protective systems based on advances in the computational power of digital devices and the capabilities of communication systems that can be applied within the power grid Examines the regulations related to power system protection and how they impact the way protective relaying systems are designed, applied, set, and monitored Considers the evaluation of protective systems during system disturbances and describes the tools available for analysis Addresses the benefits and problems associated with applying microprocessor-based devices in protection schemes Contains an expanded discussion of intertie protection requirements at dispersed generation facilities Providing information on a mixture of old and new equipment, Protective Relaying: Principles and Applications, Fourth Edition reflects the present state of power systems currently in operation, making it a handy reference for practicing protection engineers. And yet its challenging end-of-chapter problems, coverage of the basic mathematical requirements for fault analysis, and real-world examples ensure engineering students receive a practical, effective education on protective systems. Plus, with the inclusion of a solutions manual and figure slides with qualifying course adoption, the Fourth Edition is ready-made for classroom implementation.

Our prosperity requires the enterprise of innumerable individuals and businesses who exercise their imagination and judgment-and bear responsibility for outcomes. And widespread enterprise is fostered through dialogue and relationships, not merely prices in anonymous markets. Yet modern finance blatantly neglects these necessary elements for enterprise. In the last several decades finance has become increasingly centralized, distanced, and mechanistic. Instead of many lending officers making judgments about borrowers they know, credit decisions are the output of the models of a few Wall Street wizards and credit agencies. This robotic centralized finance stifles the dynamism of the real economy and leads to recurring collapses. A Call for Judgment clearly explains how bad theories and mis-regulation have caused a dangerous divergence between the real economy and finance. In simple language Bhide takes apart the so-called advances in modern finance, showing how backward-looking, top-down models were used to mass-produce toxic products. Thanks to excessively tight securities laws and loose banking laws, anonymous transactions have displaced relationship-based finance. And Bhide offers, tough simple rules for restoring relationships and case-by-case judgment: limit banks--and all deposit taking institutions--to basic lending and nothing else. A Call for Judgment is both a primer on the role of finance in a dynamic modern economy, and a cautionary tale about the pitfalls of banks functioning as highly centralized, mechanistic entities. It is essential reading for anyone interested in bringing the economy back to a point at which decisions can be made that foster organic economic growth without the potentially disastrous risks currently accepted by modern finance.

The third edition of the book, Practical Guide to High-Risk Pregnancy and Delivery, has been completely revised to present more up-to-date approach to the field. Several changes have been made in the book to keep up with multiple new developments and to facilitate the finding of information. However, the purpose of the book remains unchanged: to provide residents in Obstetrics and Gynecology, fellows in Maternal–Fetal Medicine, obstetricians, general physicians, and interested nurses and medical students with a source of practical information about complications of pregnancy. The book is organized into three sections: Fetal Medicine, Obstetrical Complications and Tropical Diseases in Pregnancy All chapters have been rearranged, expanded, and updated Several new flowcharts, tables, and boxes have been included to make the coverage more comprehensive and contemporary Important points at the end of every chapter help in quick recapitulation. Separate chapters on Hypertensive Disorders in Pregnancy, Diabetes and Pregnancy, and Cardiac Diseases in Pregnancy.

Fuzzy and Neuro-Fuzzy Systems in Medicine provides a thorough review of state-of-the-art techniques and practices, defines and explains relevant problems, as well as provides solutions to these problems. After an introduction, the book progresses from one topic to another - with a linear development from fundamentals to applications.

Fundamentals of Power System Protection PHI Learning Pvt. Ltd. DIGITAL POWER SYSTEM PROTECTION PHI

Learning Pvt. Ltd.

Looks at more than a hundred modern applications of productivity improvement, and discusses subplants, international manufacturing, and organizational changes.

This book is enhanced with content such as audio or video, resulting in a large file that may take longer to download than expected. The Deluxe Illustrated Edition of a Timeless Classic Now with this enhanced edition, readers can gain additional insight through video interviews, audio excerpts and letters from C. S. Lewis. First published in 1942, *The Screwtape Letters* has sold millions of copies world-wide and is recognized as a milestone in the history of popular theology. A masterpiece of satire, it entertains readers with its sly and ironic portrayal of human life and foibles from the vantage point of Screwtape, a highly placed assistant to "Our Father Below." At once wildly comic, deadly serious, and strikingly original, *The Screwtape Letters* is the most engaging account of temptation—and triumph over it—ever written.

Designed primarily as a textbook for senior undergraduate students pursuing courses in Electrical and Electronics Engineering, this book gives the basic knowledge required for power system planning, operation and control. The contents of the book are presented in simple, precise and systematic manner with lucid explanation so that the readers can easily understand the underlying principles. The book deals with the per phase analysis of balanced three-phase system, per unit values and application including modelling of generator, transformer, transmission line and loads. It explains various methods of solving power flow equations and discusses fault analysis (balanced and unbalanced) using bus impedance matrix. It describes various concepts of power system stability and explains numerical methods such as Euler method, modified Euler method and Runge–Kutta methods to solve Swing equation. Besides, this book includes flow chart for computing symmetrical and unsymmetrical fault current, power flow studies and for solving Swing equation. It is also fortified with a large number of solved numerical problems and short-answer questions with answers at the end of each chapter to reinforce the students understanding of concepts. This textbook would also be useful to the postgraduate students of power systems engineering as a reference. The incidence of multiple pregnancies has increased with the increasing use of assisted reproductive techniques. This super-specialty title intends to cover basic epidemiology, associated complications and management of multiple pregnancy. The aim of this book is to provide a comprehensive, up to date and an evidenced-based discussion of multiple pregnancy and recent advances in its management. The chapters are divided in such a way that all three trimesters are discussed separately with all the relevant details. Pedagogical features like learning objectives, key learning points, text in highlighted boxes throughout the chapters provide the essential knowledge. Ideal for postgraduate students – MS and DNB, practitioner segment in obstetrics and gynaecology

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.

Study conducted in Delhi, India.

In the spring of 2010, Harvard Business School's graduating class asked HBS professor Clay Christensen to address them—but not on how to apply his principles and thinking to their post-HBS careers. The students wanted to know how to apply his wisdom to their personal lives. He shared with them a set of guidelines that have helped him find meaning in his own life, which led to this now-classic article. Although Christensen's thinking is rooted in his deep religious faith, these are strategies anyone can use. Since 1922, Harvard Business Review has been a leading source of breakthrough ideas in management practice. The Harvard Business Review Classics series now offers you the opportunity to make these seminal pieces a part of your permanent management library. Each highly readable volume contains a groundbreaking idea that continues to shape best practices and inspire countless managers around the world.

This book is designed to be concise with a consistent format so that the clinician can focus on a specific area. This edition has had major modifications and embraces evidence-based medicine. The format includes the CPT codes for billing purposes, short description of the condition, etiology/incidence, course/prognosis, laboratory findings, differential diagnosis; prophylaxis, treatment (local and systemic, surgical or other), miscellaneous (names and addresses of support groups) and key references. Incorporates evidence-based medicine so you feel confident that you're formulating the best treatment plans for your patients. Color photos allow you to read about and actually see a picture of select disease entities. Clear, concise format can be photocopied and distributed to patients in some cases, reducing your time spent explaining problems to patients and caregivers.

The third edition of the book on Industrial Electronics and Control including Programmable Logic Controller is aimed at providing an explicit explanation of the mode of operation of different electronic power devices in circuits and systems that are in wide use today in modern industry for the control and conversion of electric power. The book strives to fulfil this need for a fundamental treatment that allows students to understand all aspects of circuit functions through its neatly-drawn illustrations and wave diagrams. Several colour diagrams are included to explain difficult circuits and waveforms. This approach will help students in assimilating the operation of power electronics circuits with more clarity. Same as in previous editions, the book commences with a discussion on rectifiers, differential amplifiers, operational amplifiers, multivibrators, timers and goes on to provide in-depth coverage of power devices and power electronics circuits such as silicon controlled rectifiers (SCRs), inverters, dual converters, choppers, cycloconverters and their applications in the control of ac/dc motors, and heating and welding processes. The book also presents an overview of the modern developments in the field of optoelectronics and fibre optics. Finally, the book ends with a discussion on Programmable Logic Controller (PLC). The book has an added advantage of multiple-choice questions, true/false statements, review questions and numerical problems at the end of each chapter, designed to reinforce the student's understanding of the concepts and mathematical derivations introduced in the text. The book is intended as a textbook for polytechnic students pursuing courses in electrical engineering, electronics and communication engineering, and electronics and instrumentation engineering. This tailor-made book with its exhaustive explanations of circuit operations and its student-friendly approach should prove to be a boon to the students and teachers alike. AUDIENCE: Polytechnic Students - pursuing courses in Electrical Engineering, Electronics and Communication Engineering, and Electronics and Instrumentation Engineering

Few would deny the crucial role that entrepreneurs play in our increasingly global economy—but exactly what is this vital, yet loosely defined business force we call the entrepreneurial spirit? This landmark study is the first to examine analytically the nature of the opportunities that entrepreneurs pursue, the problems they face, the traits they require, and the social and economic contributions they make. Until recently,

entrepreneurs have been largely ignored in modern economic theory. But at the dawn of a networked age, marked by the advent of e-business and the home office, there's no question that entrepreneurs have recaptured the popular imagination. Studies now show that most men and women dream of starting their own businesses rather than rising through the corporate ranks. Yet in spite of increased attention by many of today's leading business schools, entrepreneurship has remained largely a mystery, an apparently intuitive sense of values possessed by certain individuals.; This book targets the issues central to successful start-up ventures, such as endowments and opportunities, planning versus adaptation, securing resources, corporate initiatives, venture capital, revolutionary ventures and the evolution of fledgling businesses. Focusing on hard data and evaluations of numerous start-up businesses, including many of today's major industry leaders, this book presents a new economic model—a key to understanding the guts, determination, luck and skills that constitute the underpinnings of corporate success. Written in clear, concise prose, *The Origin and Evolution of New Businesses* goes behind the charts and graphs of business theory to the true heart of success. It is essential reading for business students, would-be entrepreneurs, or executives wanting to incorporate the vitality of the entrepreneurial spirit into their organization.

|Introduction|Operating Principles And Relays Construction|Apparatus Protection|Theory Of Arc Interruption|Fuses|Circuit Breakers|Protection Against Over Voltage|References

There are a lot of e-business security concerns. Knowing about e-business security issues will likely help overcome them. Keep in mind, companies that have control over their e-business are likely to prosper most. In other words, setting up and maintaining a secure e-business is essential and important to business growth. This book covers state-of-the-art practices in e-business security, including privacy, trust, security of transactions, big data, cloud computing, social network, and distributed systems.

Awarded second place in the 2017 AJN Book of the Year Awards in the Information Technology category. See how information technology intersects with health care! *Health Informatics: An Interprofessional Approach*, 2nd Edition prepares you for success in today's technology-filled healthcare practice. Concise coverage includes information systems and applications such as electronic health records, clinical decision support, telehealth, ePatients, and social media tools, as well as system implementation. New to this edition are topics including data science and analytics, mHealth, principles of project management, and contract negotiations. Written by expert informatics educators Ramona Nelson and Nancy Staggers, this edition enhances the book that won a 2013 American Journal of Nursing Book of the Year award! Experts from a wide range of health disciplines cover the latest on the interprofessional aspects of informatics — a key Quality and Safety Education for Nurses (QSEN) initiative and a growing specialty area in nursing. Case studies encourage higher-level thinking about how concepts apply to real-world nursing practice. Discussion questions challenge you to think critically and to visualize the future of health informatics. Objectives, key terms and an abstract at the beginning of each chapter provide an overview of what you will learn. Conclusion and Future Directions section at the end of each chapter describes how informatics will continue to evolve as healthcare moves to an interprofessional foundation. NEW! Updated chapters reflect the current and evolving practice of health informatics, using real-life healthcare examples to show how informatics applies to a wide range of topics and issues. NEW mHealth chapter discusses the use of mobile technology, a new method of health delivery — especially for urban or under-served populations — and describes the changing levels of responsibility for both patients and providers. NEW Data Science and Analytics in Healthcare chapter shows how Big Data — as well as analytics using data mining and knowledge discovery techniques — applies to healthcare. NEW Project Management Principles chapter discusses proven project management tools and techniques for coordinating all types of health informatics-related projects. NEW Contract Negotiations chapter describes strategic methods and tips for negotiating a contract with a healthcare IT vendor. NEW Legal Issues chapter explains how federal regulations and accreditation processes may impact the practice of health informatics. NEW HITECH Act chapter explains the regulations relating to health informatics in the Health Information Technology for Education and Clinical Health Act as well as the Meaningful Use and Medicare Access & CHIP Reauthorization Act of 2015.

This textbook, in its second edition aims to provide undergraduate students of Electrical Engineering with a unified treatment of all aspects of modern power systems, including generation, transmission and distribution of electric power, load flow studies, economic considerations, fault analysis and stability, high voltage phenomena, system protection, power control, and so on. The text systematically deals with the fundamental techniques in power systems, coupled with adequate analytical techniques and reference to practices in the field. Special emphasis is placed on the latest developments in power system engineering. The book will be equally useful to the postgraduate students specialising in power systems and practising engineers as a reference. NEW TO THIS EDITION • Chapters on Elements of Electric Power Generation and Power System Economics are thoroughly updated. • A new Chapter on Control of Active and Reactive Power is added.

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