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[Clinical Manual of Surgery - e-book](#) Dec 12 2020 With the intension that the students enter the clinical side with a clear concept, this clinical surgery manual is presented with a step-by-step approach. The chapters are designed in such a way that the students come to a diagnosis with an orderly approach. The value addition to this manual is the analysis of symptoms done individually in every chapter for making the understanding very clear. This manual has been evolved to rekindle the interest in students, the desire to improve the art of clinical diagnosis, and will be useful to any surgery student at any level, more importantly the undergraduates. • More than 1800 colour photographs are used to enhance clarity • Clear drawings complement the chapters where photographs cannot be used • Covers all branches of surgery, including Gynaecology, Orthopaedics and ENT with the equal importance as the other chapters. • Chapters written by meticulously chosen recognized and experienced teachers • First multi-author clinical surgery manual from India

[Power Electronics for Technology](#) May 17 2021 Recognizing the current demands of the workplace, this applications-oriented introduction offers an easy-to-understand explanation of the principles of power electronics, with complete coverage on the switching, control and conversion of electrical power using semiconductor devices. Reflecting the increasing demand for efficient conversion and control of electrical power, it considers the latest power devices, circuits, and control schemes that continue to extend power electronics technology to new applications areas. Presents material methodically - first establishing the background theory before going on to specific applications. Familiarizes readers with the analysis and operation of various power conversions circuits that have applications at high power levels, and formulates equations that govern the behavior of these circuits. Discusses the application of power electronic devices in uncontrolled and controlled single phase rectifiers, inverters, ac voltage controllers, cycloconverters, and dc choppers, and demonstrates voltage and current waveform analysis for the output, starting with a simple resistive load to more practical inductive loads. Includes many worked examples, basic formulas, and an abundance of illustrations and diagrams.

[Society 5.0 and the Future of Emerging Computational Technologies](#) Jul 07 2020 "This book discusses the technological aspects for the implementation of Society 5.0. The foundation and recent advances of emerging technologies such as Artificial Intelligence, Data Science, Internet of Things, and Big Data for the realization of Society 5.0 are covered. Practical solutions to existing problems, examples, and case studies are also offered. [Society 5.0 and the Future of Emerging Computational Technologies: Practical Solutions, Examples, and Case Studies](#) discusses technologies such as Machine Learning, Artificial Intelligence, Internet of Things for the implementation of Society 5.0. It offers a firm foundation and understanding of the recent advancements in various domains such as data analytics, neural networks, computer vision, and robotics along with practical solutions to existing problems in fields such as healthcare, manufacturing industries, security, and infrastructure management. Applications and implementations are highlighted along with the correlation between technologies. Examples and case studies are presented throughout the book to help with reading comprehension. The book can be used by research scholars in the engineering domain who wish to gain knowledge and contribute towards a modern and secure future society. The book will also be useful as a reference at universities for postgraduate students who are interested in technological advancements"--

[Marketing Channels](#) Aug 27 2019 [Marketing Channels: A Management View](#), a market leader, is known to provide a management focus and managerial framework to the field of marketing channels. Theory, research, and practice are covered thoroughly and blended into a discussion that stresses decision making implications. This new edition reflects global, socio-cultural, environmental, and technological changes that have taken place within the industry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[Fundamentals of Heat and Mass Transfer](#) Jul 27 2019 Completely updated, the seventh edition provides engineers with an in-depth look at the key concepts in the field. It incorporates new discussions on emerging areas of heat transfer, discussing technologies that are related to nanotechnology, biomedical engineering and alternative energy. The example problems are also updated to better show how to apply the material. And as engineers follow the rigorous and systematic problem-solving methodology, they'll gain an appreciation for the richness and beauty of the discipline.

[Excel 2013: The Missing Manual](#) May 05 2020 The world's most popular spreadsheet program is now more powerful than ever, but it's also more complex. That's where this Missing Manual comes in. With crystal-clear explanations and hands-on examples, [Excel 2013: The Missing Manual](#) shows you how to master Excel so you can easily track, analyze, and chart your data. You'll be using new features like PowerPivot and Flash Fill in no time. The important stuff you need to know: Go from novice to ace. Learn how to analyze your data, from writing your first formula to charting your results. Illustrate trends. Discover the clearest way to present your data using Excel's new Quick Analysis feature. Broaden your analysis. Use pivot tables, slicers, and timelines to examine your data from different perspectives. Import data. Pull data from a variety of sources, including website data feeds and corporate databases. Work from the Web. Launch and manage your workbooks on the road, using the new Excel Web App. Share your worksheets. Store Excel files on SkyDrive and

collaborate with colleagues on Facebook, Twitter, and LinkedIn. Master the new data model. Use PowerPivot to work with millions of rows of data. Make calculations. Review financial data, use math and scientific formulas, and perform statistical analyses.

Power Electronics Nov 03 2022

Microwave Engineering Nov 22 2021 Pozar's new edition of Microwave Engineering includes more material on active circuits, noise, nonlinear effects, and wireless systems. Chapters on noise and nonlinear distortion, and active devices have been added along with the coverage of noise and more material on intermodulation distortion and related nonlinear effects. On active devices, there's more updated material on bipolar junction and field effect transistors. New and updated material on wireless communications systems, including link budget, link margin, digital modulation methods, and bit error rates is also part of the new edition. Other new material includes a section on transients on transmission lines, the theory of power waves, a discussion of higher order modes and frequency effects for microstrip line, and a discussion of how to determine unloaded.

Anomaly Detection Principles and Algorithms Sep 28 2019 This book provides a readable and elegant presentation of the principles of anomaly detection, providing an easy introduction for newcomers to the field. A large number of algorithms are succinctly described, along with a presentation of their strengths and weaknesses. The authors also cover algorithms that address different kinds of problems of interest with single and multiple time series data and multi-dimensional data. New ensemble anomaly detection algorithms are described, utilizing the benefits provided by diverse algorithms, each of which work well on some kinds of data. With advancements in technology and the extensive use of the internet as a medium for communications and commerce, there has been a tremendous increase in the threats faced by individuals and organizations from attackers and criminal entities. Variations in the observable behaviors of individuals (from others and from their own past behaviors) have been found to be useful in predicting potential problems of various kinds. Hence computer scientists and statisticians have been conducting research on automatically identifying anomalies in large datasets. This book will primarily target practitioners and researchers who are newcomers to the area of modern anomaly detection techniques. Advanced-level students in computer science will also find this book helpful with their studies.

Practice Manual of Cost Accounting Apr 27 2022 For a thorough grasp of the subject of Cost Accounting, adequate practice in the working out of numerical problems is as much an essential prerequisite as the understanding of its fundamental principles, concepts and conventions. The present book is specially designed to enable the students to acquire the practice by going through a wide, variety of carefully selected, adapted and designed problems with complete solutions and detailed workings and notes. The book contains more than five hundred Problems with full solutions and explanatory notes. Questions have been taken from the latest examination papers of the various Universities and Professional Bodies. The book is very useful to the students of B.Com., M.Com. of Various Universities and Intermediate and Final Examination of Institute of Chartered Accountants of India, I.C.W.A., Institute of Company Secretaries and Indian Institute of Bankers.

Electric Machines and Drives Jul 31 2022 This book is part of a three-book series. Ned Mohan has been a leader in EES education and research for decades, as author of the best-selling text/reference Power Electronics. This book emphasizes applications of electric machines and drives that are essential for wind turbines and electric and hybrid-electric vehicles. The approach taken is unique in the following respects: A systems approach, where Electric Machines are covered in the context of the overall drives with applications that students can appreciate and get enthusiastic about; A fundamental and physics-based approach that not only teaches the analysis of electric machines and drives, but also prepares students for learning how to control them in a graduate level course; Use of the space-vector-theory that is made easy to understand. They are introduced in this book in such a way that students can appreciate their physical basis; A unique way to describe induction machines that clearly shows how they go from the motoring-mode to the generating-mode, for example in wind and electric vehicle applications, and how they ought to be controlled for the most efficient operation.

Instructor's Guide and Solutions Manual for Electrical Engineering Fundamentals Mar 15 2021

Power Electronics Oct 02 2022 Market_Desc: · Electrical Engineering Students · Electrical Engineering Instructors · Power Electronics Engineers Special Features: · Easy to follow step-by-step in depth treatment of all the theory. · Computer simulation chapter describes the role of computer simulations in power electronics. Examples and problems based on Pspice and MATLAB are included. · Introductory chapter offers a review of basic electrical and magnetic circuit concepts. · A new CD-ROM contains the following: · Over 100 of new problems of varying degrees of difficulty for homework assignments and self-learning. · PSpice-based simulation examples, which illustrate basic concepts and help in design of converters. · A newly-developed magnetic component design program that demonstrates design trade-offs. · PowerPoint-based slides, which will improve the learning experience and the ease of using the book About The Book: The text includes cohesive presentation of power electronics fundamentals for applications and design in the power range of 500 kW or less. It describes a variety of practical and emerging power electronic converters made feasible by the new generation of power semiconductor devices. Topics included in this book are an expanded discussion of diode rectifiers and thyristor converters as well as chapters on heat sinks, magnetic components which present a step-by-step design approach and a computer simulation of power electronics which introduces numerical techniques and commonly used simulation packages such as PSpice, MATLAB and EMTP.

FLUID MECHANICS Jan 31 2020 The third edition of this easy-to-understand text continues to provide students with a sound understanding of the fundamental concepts of various physical phenomena of science of fluid mechanics. It adds a new chapter (Vortex Theory) which presents a vivid interpretation of vortex motions that are of fundamental importance in aerodynamics and in the performance of many other engineering devices. It elaborately explains the dynamics of vortex motion with the help of Helmholtz's theorems and provides illustrations of how the manifestations of Helmholtz's theorems can be observed in daily life. Several new problems along with answers are added at the end of Chapter 4 on Boundary Layer. The book is suitable for a one-semester course in fluid mechanics for undergraduate students of mechanical, aerospace, civil and chemical engineering students. A Solutions Manual containing solutions to end-of-chapter problems is available for use by instructors.

The Language of Mathematics Jul 19 2021 The Language of Mathematics was awarded the E.W. Beth Dissertation Prize for outstanding dissertations in the fields of logic, language, and information. It innovatively combines techniques from linguistics, philosophy of mathematics, and computation to give the first wide-ranging analysis of mathematical language. It focuses particularly on a method for determining the complete meaning of mathematical texts and on resolving technical deficiencies in all standard accounts of the foundations of mathematics. "The thesis does far more than is required for a PhD: it is more like a lifetime's work packed into three years, and is a truly exceptional achievement." Timothy Gowers

Mergers, Acquisitions, and Other Restructuring Activities Sep 08 2020 Two strengths distinguish this textbook from others. One is its presentation of subjects in the contexts wherein they occur. The other is its use of current events. Other improvements have shortened and simplified chapters, increased the numbers and types of pedagogical supplements, and expanded the international appeal of examples.

Cloud Computing Nov 10 2020 The primary purpose of this book is to capture the state-of-the-art in Cloud Computing technologies and applications. The book will also aim to identify potential research directions and technologies that will facilitate creation a global marketplace of cloud computing services supporting scientific, industrial, business, and consumer applications. We expect the book to serve as a reference for larger audience such as systems architects, practitioners, developers, new researchers and graduate level students. This area of research is relatively recent, and as such has no existing reference book that addresses it. This book will be a timely contribution to a field that is gaining considerable research interest, momentum, and is expected to be of increasing interest to commercial developers. The book is targeted for professional computer science developers and graduate students especially at Masters level. As Cloud Computing is recognized as one of the top five emerging technologies that will have a major impact on the quality of science and society over the next 20 years, its knowledge will help position our readers at the forefront of the field.

Analysis and Control of Electric Drives May 29 2022 A guide to drives essential to electric vehicles, wind turbines, and other motor-driven systems Analysis and Control of Electric Drives is a practical and comprehensive text that offers a clear understanding of electric drives and their industrial applications in the real-world including electric vehicles and wind turbines. The authors—noted experts on the topic—review the basic knowledge needed to understand electric drives and include the pertinent material that examines DC and AC machines in steady state using a unique physics-based approach. The book also analyzes electric machine operation under dynamic conditions, assisted by Space Vectors. The book is filled with illustrative examples and includes information on electric machines with Interior Permanent Magnets. To enhance learning, the book contains end-of-chapter problems and all topics covered use computer simulations with MATLAB Simulink® and Sciamble® Workbench software that is available free online for educational purposes. This important book: Explores additional topics such as electric machines with Interior Permanent Magnets Includes multiple examples and end-of-chapter homework problems Provides simulations made using MATLAB Simulink® and Sciamble® Workbench, free software for educational purposes Contains helpful presentation slides and Solutions Manual for Instructors; simulation files are available on the associated website for easy implementation A unique feature of this book is that the simulations in Sciamble® Workbench software can seamlessly be used to control experiments in a hardware laboratory Written for undergraduate and graduate students, Analysis and Control of Electric Drives is an essential guide to understanding electric vehicles, wind turbines, and increased efficiency of motor-driven systems.

FLUID MECHANICS, FOURTH EDITION Mar 03 2020 The Fourth Edition of this easy-to-understand text continues to provide students with a sound understanding of the fundamental concepts of various physical phenomena of science of fluid mechanics. The third edition of this book, developed to serve as text for a course in fluid mechanics at the introductory level for undergraduate course and for an advanced level course at graduate level, was well received all over the world, because of its completeness and proper balance of theoretical and application aspects of this science. Over the years, the feedback received from the faculty and students made the author to realize the need for adding following material to serve as text for students of all branches of engineering. • Three new chapters on: o Pipe Flows o Flow with Free Surface o Hydraulics Machinery • Large number of solved examples in all the chapters to enable the user to gain an insight in to the theory and application aspects of the concepts introduced. • A Solution Manual that contains solutions to all the end-of-chapter problems for instructors. TARGET AUDIENCE • B.Tech (All Branches)

Applied English Grammar and composition Jun 25 2019 English Grammar book

Demystifying AI for the Enterprise Jun 05 2020 Artificial intelligence (AI) in its various forms -- machine learning, chatbots, robots, agents, etc. -- is increasingly being seen as a core component of enterprise business workflow and information management systems. The current promise and hype around AI are being driven by software vendors, academic research projects, and startups. However, we posit that the greatest promise and potential for AI lies in the enterprise with its applications touching all organizational facets. With increasing business process and workflow maturity, coupled with recent trends in cloud computing, datafication, IoT, cybersecurity, and advanced analytics, there is an understanding that the challenges of tomorrow cannot be solely addressed by today's people, processes, and products. There is still considerable mystery, hype, and fear about AI in today's world. A considerable amount of current discourse focuses on a dystopian future that could adversely affect humanity. Such opinions, with understandable fear of the unknown, don't consider the history of human innovation, the current state of business and technology, or the primarily augmentative nature of tomorrow's AI. This book demystifies AI for the enterprise. It takes readers from the basics (definitions, state-of-the-art, etc.) to a multi-industry journey, and concludes with expert advice on everything an organization must do to succeed. Along the way, we debunk myths, provide practical pointers, and include best practices with applicable vignettes. AI brings to enterprise the capabilities that promise new ways by which professionals can address both mundane and interesting challenges more efficiently, effectively, and collaboratively (with humans). The opportunity for tomorrow's enterprise is to augment existing teams and resources with the power of AI in order to gain competitive advantage, discover new business models, establish or optimize new revenues, and achieve better customer and user satisfaction.

The Elasmobranch Husbandry Manual Jan 01 2020

Engineering Fluid Mechanics Solution Manual Jun 29 2022

Catalog of Copyright Entries, Third Series Jan 13 2021 The record of each copyright registration listed in the Catalog includes a description of the work copyrighted and data relating to the copyright claim (the name of the copyright claimant as given in the application for registration, the copyright date, the copyright registration number, etc.).

Power Electronics Oct 29 2019

Chemistry, Student Solutions Manual Jun 17 2021 The second edition of Spencer's Chemistry: Structure and Dynamics has been the most successful reform project published for the General Chemistry course. The authors have revised the text, by building on the recommendations of the ACS's Task Force on the General Chemistry Curriculum and suggestions from the adopters of the first edition. This innovative text provides a fifteen-chapter introduction to the fundamental concepts of Chemistry. A collection of additional topics at the end of each chapter allow instructors to supplement and tailor their courses according to individual need. Three major themes link the content of the book: the process of science, the relationship between molecular structure and physical/chemical properties, and the relationship between the microscopic and macroscopic levels.

Effective Anger Management for Children and Youth Jan 25 2022 The Effective Anger Management for Children and Youth manual and workbook are specially designed for teachers, counsellors, social workers, psychologists, and other mental health professionals who assist in various capacities in working with children who exhibit anger and aggression problems. The ideas, materials, suggested activities and games included in this resource book are applicable to both primary and secondary school children. The purpose of this resource book is to provide practical strategies divided into 12 lessons that teachers and mental health professionals can implement; it is a "how to" book on enhancing children's emotion management, problem-solving and social skills. Contents: Identification of Feelings in

Ourselves and Others Exploring Anger Feelings Anger Coping Techniques I Anger Coping Techniques II Empathy Skills Perspective-Taking Skills Fighting Fair Building Prosocial Skills Effective Problem-Solving Steps: ANGER Plan Application of the ANGER Plan I Application of the ANGER Plan II Putting It All Together Readership: For teachers, counsellors, social workers, psychologists, and other mental health professionals who assist in various capacities in working with children who exhibit anger and aggression problems. Key Features: There is currently no such published manual and workbook in Southeast Asia. The book is tailored to suit Asian children/adolescents Analogies, case scenarios, and examples were designed to reflect the daily encounters faced by these children/adolescents The language used is also tailored to suit Asian children/adolescents Keywords: Anger Management; Children; Youth; Social Problem-Solving; Social Skills

Power Electronics Oct 10 2020 Power Electronics is intended to be an introductory text in power electronics, primarily for the undergraduate electrical engineering student. The text is written for some flexibility in the order of the topics. Much of the text includes computer simulation using PSpice as a supplement to analytical circuit solution techniques.

Fundamentals of Power Electronics Apr 03 2020 This comprehensive introduction to power semiconductor devices, their characteristics, and their ratings will take you step-by-step through the most important topics in the field. Highly applications-oriented, this course presents the student with six projects which offer the opportunity to simulate results on a computer using software such as SPICE or PSpice. This course is ideal for engineers, engineering managers, technicians, and anyone with an interest in the theory, analysis, design, or applications of power electronics circuits and systems.

Power Electronics Sep 20 2021 This fully updated textbook provides complete coverage of electrical circuits and introduces students to the field of energy conversion technologies, analysis and design. Chapters are designed to equip students with necessary background material in such topics as devices, switching circuit analysis techniques, converter types, and methods of conversion. The book contains a large number of examples, exercises, and problems to help enforce the material presented in each chapter. A detailed discussion of resonant and softswitching dc-to-dc converters is included along with the addition of new chapters covering digital control, non-linear control, and micro-inverters for power electronics applications. Designed for senior undergraduate and graduate electrical engineering students, this book provides students with the ability to analyze and design power electronic circuits used in various industrial applications.

Manual of ICU Procedures Aug 08 2020 Manual of ICU Procedures is a comprehensive, step-by-step guide to intensive care procedures. The book is divided into five sections, including airway and respiratory; vascular and cardiac; neurological; gastrointestinal, abdominal, and genitourinary procedures. Enhanced by 428 colour images and illustrations, Manual of ICU Procedures is an ideal resource for all critical care professionals.

First Course on Power Systems Mar 27 2022

Principles of Electric Machines and Power Electronics Feb 23 2022

First Course on Power Electronics and Drives Oct 22 2021

Solutions to Applied English Grammar and Composition Nov 30 2019 English Grammar book

Creating a Website: The Missing Manual Apr 15 2021 Provides information on creating a Web site, covering such topics as text elements, style sheets, graphics, attracting visitors, JavaScript, and blogs.

Power Electronics Feb 11 2021

Solutions Manual to Accompany Power Electronics Sep 01 2022

Natural Gas Production Engineering Dec 24 2021 "Consumption and demand for natural gas rises annually throughout the world. Finding, drilling, extracting, processing and transporting natural gas remains a demanding challenge. This new book presents the quintessential guide for reservoir engineers, production engineers, production geologists, and more."--BOOK JACKET.

A Practical Approach to Water Conservation for Commercial and Industrial Facilities Aug 20 2021 Industry and commerce use vast amounts of water and in some parts of the world water is becoming a scarce commodity. We need to take more care in our future use of water, and this book is a 'best practice' manual for industrial and commercial users world-wide. It offers a practical account of the measures which can be taken to re-educate industrial and commercial users in the techniques of water saving and re-use anywhere in the world. The principles are covered in detail and supported by examples from specific industries and commercial operations. Author Mohan Seneviratne is Manager of Sydney Water's 'Every Drop Counts Business Program', which won the prestigious 2006 Stockholm Industry Water Award in recognition of how the utility is working in partnership with business, industry and government to help ensure the long-term sustainability of Sydney's water supply. * The first book to cover water conservation for industrial users from processing plants to pubs and clubs * Provides practical advice on implementing water conservation for users in various industry sectors * Written by a practicing water conservation consultant