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Hazardous Waste Management Deepak Yadav 2021-11-29 Hazardous Waste Management: An Overview of Advanced and Cost-Effective Solutions includes the latest practical knowledge and theoretical concepts for the treatment of hazardous wastes. The book covers five major themes, namely, ecological impact, waste management hierarchy, hazardous waste characteristics and regulations, hazardous wastes management, and future scope of hazardous waste management. It serves as a comprehensive and advanced reference for undergraduate students, researchers and practitioners in the field of hazardous wastes and focuses on the latest emerging research in the management of hazardous waste, the direction in which this branch is developing as well as future prospects. The book deals with all these components in-depth, however, particular attention is given to management techniques and cost-effective, economically feasible solutions for hazardous wastes released from various sources. Comprehensively explores the impact of hazardous wastes on human health and ecosystems Discusses toxicity across solid waste, aquatic food chain and airborne diseases Categorically elaborates waste treatment and management procedures with current challenges Discusses future challenges and the importance of renewing technologies

Arihant CBSE Chemistry Term 2 Class 11 for 2022 Exam (Cover Theory and MCQs) Aditya Jangid 2021-11-20 With the newly introduced 2 Term Examination Pattern, CBSE has eased out the pressure of preparation of subjects and cope up with lengthy syllabus. Introducing Arihant's CBSE TERM II – 2022 Series, the first of its kind that gives complete emphasis on the rationalized syllabus of Class 9th to 12th. The all new "CBSE Term II 2022 – Chemistry" of Class 11th provides explanation and guidance to the syllabus required to study efficiently and succeed in the exams. The book provides topical coverage of all the chapters in a complete and comprehensive manner. Covering the 50% of syllabus as per Latest Term wise pattern 2021-22, this book consists of: 1. Complete Theory in each Chapter covering all topics 2. Case-Based, Short and Long Answer Type Question in each chapter 3. Coverage of NCERT, NCERT Examplar & Board Exams' Questions 4. Complete and Detailed explanations for each question 5. 3 Practice papers based on the entire Term II Syllabus. Table of Content States of Matter: Gases

and Liquids, Chemical Thermodynamics, Equilibrium, s – Block Element, Hydrocarbons, Practice Papers (1-3).

Ubiquitous Machine Learning and Its Applications Kumar, Pradeep 2017-03-03 Constant improvements in technological applications have allowed for more opportunities to develop automated systems. This not only leads to higher success in smart data analysis, but also ensures that technological progression will continue. Ubiquitous Machine Learning and its Applications is a pivotal reference source for the latest research on the issues and challenges machines face in the new millennium. Featuring extensive coverage on relevant areas such as computational advertising, software engineering, and bioinformatics, this publication is an ideal resource for academicians, graduate students, engineering professionals, and researchers interested in discovering how they can apply these advancements to various disciplines.

Outlook 2007 In Simple Steps Kogent Solutions Inc. 2008-03-19 Outlook 2007 in Simple Steps is a book that helps you learn Outlook 2007, the contemporary offering from Microsoft. Being precise and complete, it offers the reader a cutting edge in the field of Outlook 2007. An easy to understand style, lots of examples to support the concepts, and use of practical approach in presentation are some of the features that make the book unique in itself. Text in this book is presented in such a way that it will be equally helpful to the beginners as well as to the professionals.

Corrosion Preventive Materials and Corrosion Testing S.K. Dhawan 2020-03-02 The book provides an extensive coverage of conjugated polymer based nano-composite coatings with advanced anti-corrosive properties. The book gives detailed explanation of corrosion testing methods and techniques to evaluate the corrosion resistance of the coatings. It includes elaborate discussion on classification of corrosion, electrochemistry of corrosion process, theories explaining the mechanism of corrosion and various corrosion testing standards. Electrochemical studies like open circuit potential (OCP) variation with time, potentiodynamic polarization, Electrochemical Impedance Spectroscopy (EIS) and accelerated corrosion testing are highlighted as important tools to extract information about the behavior of coatings under corrosive conditions. The book discusses epoxy-conjugated polymer based novel composite coating formulations, including aniline and o-toluidine, o-anisidine, phenetidine and pentafluoroaniline with appropriate fillers like SiO_2, flyash, ZrO_2 nanoparticles, and chitosan for the protection of metallic substrates. A general discussion on the self healing mechanism of epoxy-polypyrrole based biopolymer hybrid composite coatings is included in this book. This book provides a critical review on the conjugated polymer based composite coatings with superior corrosion resistance, good mechanical integrity, better adhesion properties and self healing ability under highly aggressive conditions which can be commercially used for the protection of metal substrates from corrosion.

The Strategy Pathfinder Duncan Angwin 2011-12-12 This new edition of the popular The Strategy Pathfinder updates the micro-cases of real-life problems

faced by companies and executives. These micro-cases help readers to engage with the kinds of situations they will encounter in their working lives while provoking discussions about key theoretical themes. Original presentation and design makes this an essential companion for both the business-school classroom and the executive briefcase. The Strategy Pathfinder brings experienced and potential executives alike an instant guide to the concepts and techniques they need to know. An innovative introduction to strategy. Makes readers active "producers" of strategy, rather than passive recipients of received wisdom. Presents essential pathways through the strategy jungle. Each case provokes discussion about a key theoretical theme. Encourages readers to form a view themselves, and then test it against the views of others, before offering recommendations about how best to proceed. Cases are drawn from Africa, the Americas, Asia, Europe and Oceania. Supported by online lecturer supplements.

Nanotechnology and Drug Delivery, Volume Two Jose L. Arias 2016-04-21 The recent introduction of nanomedicines in the drug therapy arena is revolutionizing the management of severe diseases. The key advance in the field is the optimization of the biological fate of drug molecules, thus improving the therapeutic effect while keeping to a very minimum the associated toxicity. Volume one of this book series, Nanoplatforms in Drug Delivery, established the basic aspects in the development of drug-loaded nanoplatforms, the so-called nanomedicines or nanodrugs, focusing on representative materials and strategies used in their formulation. Taking advantage of the advanced conceptualizations on nanomedicine engineering that were described in volume one, volume two, Nano-Engineering Strategies and Nanomedicines against Severe Diseases, analyzes in depth special features related to the formulation of nanoplatforms for oral, dental, topical and transdermal, pulmonary and nasal, ocular and otic, vaginal, and brain drug delivery and targeting. Particular aspects of nanomedicine engineering and in vivo fate associated with the routing of drug administration are given special attention. In addition, an up-to-date view is presented on the use of nanomedicines against severe diseases, such as cancer, cardiovascular diseases, neurodegenerative disorders, infectious diseases, chronic inflammatory diseases, and metabolic diseases. The chapters analyze the key factors that need to be controlled to achieve the optimum therapeutic effect. Attention is further given to gene delivery and the recent concept of nanotheranosis.

Problems In Physics Mechanics JEE Main and Advanced Pradeep Beniwal 2021-04-17 1. The book is prepared for the problem solving in Physics 2. It is divided into 13 chapters 3. Each chapter is divided into 3 levels of preparation 4. At the end of the each chapter cumulative exercises for JEE Main & Advanced for practice A common phrase among JEE Aspirants that chemistry is the most scoring subject, but the problems asked in JEE Exams are not directly related but they are based on multiple applications. Introducing the all new edition of "Problem Physical Physics JEE Main & Advanced Volume – 1" which is designed to develop the use of the concepts of chemistry in solving the diversified problems as asked in JEE. The book divides the syllabus into 8 chapters and each chapter has been topically divided in quick theory, different types of Solved

Examination. At the end of each chapter there are 3 Levels; where Level 1 'Starter Level', Level 2 'JEE Main Level' and Level 3 'JEE Advanced Level' making a solid preparation. Detailed and explanatory solutions provided to all the questions for the better understanding. TOC Vectors, Calculus in Physics, Units & Dimensions, Significant Figures & Errors in Management, Rectilinear Motion, Projectile Motion, Relative Motion, Kinematics Calculus, Kinematics Graphs, Newton's Laws of Motion, Friction, Work Energy & Power, Circular Motion.

Adsorption: Fundamental Processes and Applications Mehrorang Ghaedi 2021-03-19 Adsorption: Fundamental Processes and Applications, Volume 33 in the Interface Science and Technology Series, discusses the great technological importance of adsorption and describes how adsorbents are used on a large scale as desiccants, catalysts, catalyst supports, in the separation of gases, the purification of liquids, pollution control, and in respiratory protection. Finally, it explores how adsorption phenomena play a vital role in many solid-state reactions and biological mechanisms, as well as stressing the importance of the widespread use of adsorption techniques in the characterization of surface properties and the texture of fine powders. Covers the fundamental aspects of adsorption process engineering Reviews the environmental impact of key aquatic pollutants Discusses and analyzes the importance of adsorption processes for water treatment Highlights opportunity areas for adsorption process intensification Edited by a world-leading researcher in interface science

Green and Smart Technologies for Smart Cities Pradeep Tomar 2019-12-06 The book starts with an overview of the role of cities in climate change and environmental pollution worldwide, followed by the concept description of smart cities and their expected features, focusing on green technology innovation. This book explores the energy management strategies required to minimize the need for huge investments in high-capacity transmission lines from distant power plants. A new range of renewable energy technologies modified for installation in cities like small wind turbines, micro-CHP and heat pumps are described. The overall objective of this book is to explore all the green and smart technologies for designing green smart cities.

Platform Embedded Security Technology Revealed Xiaoyu Ruan 2014-08-28 Platform Embedded Security Technology Revealed is an in-depth introduction to Intel's platform embedded solution: the security and management engine. The engine is shipped inside most Intel platforms for servers, personal computers, tablets, and smartphones. The engine realizes advanced security and management functionalities and protects applications' secrets and users' privacy in a secure, light-weight, and inexpensive way. Besides native built-in features, it allows third-party software vendors to develop applications that take advantage of the security infrastructures offered by the engine. Intel's security and management engine is technologically unique and significant, but is largely unknown to many members of the tech communities who could potentially benefit from it. Platform Embedded Security Technology Revealed reveals technical

details of the engine. The engine provides a new way for the computer security industry to resolve critical problems resulting from booming mobile technologies, such as increasing threats against confidentiality and privacy. This book describes how this advanced level of protection is made possible by the engine, how it can improve users' security experience, and how third-party vendors can make use of it. It's written for computer security professionals and researchers; embedded system engineers; and software engineers and vendors who are interested in developing new security applications on top of Intel's security and management engine. It's also written for advanced users who are interested in understanding how the security features of Intel's platforms work.

Walmart and the CICS Asynchronous API: An Adoption Experience Pradeep Gohil 2019-03-03 This IBM® Redbooks® publication discusses practical uses of the IBM CICS asynchronous API capability. It describes the methodology, design and thought process used by a large client, Walmart, and the considerations of the choices made. The Redbooks publication provides real life examples and application patterns that benefit from the performance and scalability offered by the new API. The book discusses the homegrown methodology used by Walmart before the API was available and compares it with the design using the new API. A discussion of the process used to migrate older applications to begin using the new API is included so the reader will understand the ease of implementing the new API. A description of real world usage patterns describes the current production application Walmart has deployed as well as other patterns to give the reader a sense of what's possible applying creative thinking with technology improvements. Finally, a section is included on the areas to be considered as you begin to plan and implement asynchronous API capabilities. This book should be read by: Enterprise Architects searching for faster ways to service strategic applications across the enterprise. Solution Architects who want to better understand implementation possibilities for improved response times and better performance for CICS applications. CICS programmers looking to modernize and provide improved response times. This book is meant to be used in tandem with IBM Redbooks publication IBM CICS Asynchronous API: Concurrent Processing Made Simple, SG24-8411, which will provide the background and implementation instructions and commands for the API itself.

Cooperative Management of Enterprise Networks Pradeep Kumar Ray 2006-04-11 Enterprises all over the world are experiencing a rapid development of networked computing for applications that are required for the daily survival of an organization. Client-server computing offers great potential for cost-effective networked computing. However, many organizations have now learned that the cost of maintenance and support of these networked distributed systems far exceeds the cost of buying them. Computer Supported Creative Work (CSCW) is the new evolving area that promotes the understanding of business processes and relevant communication technologies. Cooperative Management of Enterprise Networks uses CSCW as the medium for conveying ideas on the integration of business processes with network and systems management. This book will be useful for systems management professionals wishing to know about business

process integration; business managers wishing to integrate their tasks with network/systems management; software system developers wishing to adopt participatory design practices; and students and researchers.

Optimal Calibration, Uncertainty Assessment, and Long-term Monitoring Using Computationally Expensive Groundwater Models Pradeep Mugunthan 2005 Existing methods for calibration of computationally expensive environmental models and assessing the impacts of parametric uncertainty require a large number of simulations of the model. This dissertation focuses on developing efficient methods that use function approximation (FA) for automatic calibration and uncertainty assessment. These methods are applied to DECHLOR, a computationally expensive model for the engineered bioremediation of chlorinated ethenes in ground-water. Two FA algorithms were compared with population- and non-population-based heuristic methods and a traditional, derivative-based nonlinear optimization method for automatic calibration of parameters for hypothetical and real cases of engineered bioremediation of chlorinated ethenes. Results from independent optimization trials showed that the FA methods considered in this work outperformed heuristic and derivative-based methods for the cases considered. Field-specific identification of parameters was carried out using DECHLOR to model the treatability test data from a TCE contaminated site. For this site, parameters estimated from laboratory microcosms did not explain the field degradation processes. Subsequently, field-specific calibration was demonstrated using DECHLOR. A new method is presented - namely automatic calibration and uncertainty assessment using response surfaces (ACUARS), which uses the results of function-approximation-based automatic calibration for assessing the impacts of parametric uncertainty. Importance weights that are corrected for clustering are assigned to the parameters explored during automatic calibration and subsequently used in uncertainty assessment. ACUARS outperformed the generalized likelihood uncertainty assessment (GLUE) method in two hypothetical engineered bioremediation examples. ACUARS was much more efficient than GLUE in identifying acceptable samples for a given calibration threshold and also enabled the use of a more stringent acceptability threshold. Thus, ACUARS reduced the uncertainty in model outputs. A new methodology is presented for automatic calibration and uncertainty assessment using FA optimization and Bayesian inference. FA algorithm is used to maximize the log-likelihood and subsequently provide a response surface for the log-likelihood which acts as a surrogate in numerical Bayesian sampling of the posterior distribution. A new method that combines contaminant transport modeling, geostatistical simulation and myopic heuristic optimization with an error-reducing search neighborhood is presented for identifying optimal design for long-term monitoring of multiple contaminants over multiple time periods under uncertain hydrogeological conditions.

Managing Trust in Cyberspace Sabu M. Thampi 2013-12-14 In distributed, open systems like cyberspace, where the behavior of autonomous agents is uncertain and can affect other agents' welfare, trust management is used to allow agents to determine what to expect about the behavior of other agents. The role of

trust management is to maximize trust between the parties and thereby provide a basis for cooperation to develop. Bringing together expertise from technology-oriented sciences, law, philosophy, and social sciences, Managing Trust in Cyberspace addresses fundamental issues underpinning computational trust models and covers trust management processes for dynamic open systems and applications in a tutorial style that aids in understanding. Topics include trust in autonomic and self-organized networks, cloud computing, embedded computing, multi-agent systems, digital rights management, security and quality issues in trusting e-government service delivery, and context-aware e-commerce applications. The book also presents a walk-through of online identity management and examines using trust and argumentation in recommender systems. It concludes with a comprehensive survey of anti-forensics for network security and a review of password security and protection. Researchers and practitioners in fields such as distributed computing, Internet technologies, networked systems, information systems, human computer interaction, human behavior modeling, and intelligent informatics especially benefit from a discussion of future trust management research directions including pervasive and ubiquitous computing, wireless ad-hoc and sensor networks, cloud computing, social networks, e-services, P2P networks, near-field communications (NFC), electronic knowledge management, and nano-communication networks.

Soft Computing in Interdisciplinary Sciences S. Chakraverty 2021 This book meets the present and future needs for the interaction between various science and technology/engineering areas on the one hand and different branches of soft computing on the other. Soft computing is the recent development about the computing methods which include fuzzy set theory/logic, evolutionary computation (EC), probabilistic reasoning, artificial neural networks, machine learning, expert systems, etc. Soft computing refers to a partnership of computational techniques in computer science, artificial intelligence, machine learning, and some other engineering disciplines, which attempt to study, model, and analyze complex problems from different interdisciplinary problems. This, as opposed to traditional computing, deals with approximate models and gives solutions to complex real-life problems. Unlike hard computing, soft computing is tolerant of imprecision, uncertainty, partial truth, and approximations. Interdisciplinary sciences include various challenging problems of science and engineering. Recent developments in soft computing are the bridge to handle different interdisciplinary science and engineering problems. In recent years, the correspondingly increased dialog between these disciplines has led to this new book. This is done, firstly, by encouraging the ways that soft computing may be applied in traditional areas, as well as point towards new and innovative areas of applications and secondly, by encouraging other scientific disciplines to engage in a dialog with the above computation algorithms outlining their problems to both access new methods as well as to suggest innovative developments within itself.

Comprehensive Chemistry XI

Nanotechnology Applications for Clean Water Anita Street 2014-05-15

Nanotechnology is already having a dramatic impact on improving water quality and the second edition of Nanotechnology Applications for Clean Water highlights both the challenges and the opportunities for nanotechnology to positively influence this area of environmental protection. This book presents detailed information on cutting-edge technologies, current research, and trends that may impact the success and uptake of the applications. Recent advances show that many of the current problems with water quality can be addressed using nanosorbents, nanocatalysts, bioactive nanoparticles, nanostructured catalytic membranes, and nanoparticle enhanced filtration. The book describes these technologies in detail and demonstrates how they can provide clean drinking water in both large scale water treatment plants and in point-of-use systems. In addition, the book addresses the societal factors that may affect widespread acceptance of the applications. Sections are also featured on carbon nanotube arrays and graphene-based sensors for contaminant sensing, nanostructured membranes for water purification, and multifunctional materials in carbon microspheres for the remediation of chlorinated hydrocarbons. Addresses both the technological aspects of delivering clean water supplies and the societal implications that affect take-up Details how the technologies are applied in large-scale water treatment plants and in point-of-use systems Highlights challenges and the opportunities for nanotechnology to positively influence this area of environmental protection

Smart Medical Data Sensing and IoT Systems Design in Healthcare Chakraborty, Chinmay 2019-09-20 Smart healthcare technology improves the diagnosis and treatment of patients, provides easy access to medical facilities and emergency care services, and minimizes the gaps between patients and healthcare providers. While clinical data protection remains a major challenge, innovations such as the internet of medical things and smart healthcare systems increase the efficiency and quality of patient care. Healthcare technology can only become faster, more profitable, and more flexible as additional research on its advancements is conducted and collected. Smart Medical Data Sensing and IoT Systems Design in Healthcare is an essential reference source that focuses on robust and easy solutions for the delivery of medical information from patients to doctors and explores low-cost, high-performance, highly efficient, deployable IoT system options in healthcare systems. Featuring research on topics such as hospital management systems, electronic health records, and bio-signals, this book is ideally designed for technologists, engineers, scientists, clinicians, biomedical engineers, hospital directors, doctors, nurses, healthcare practitioners, telemedical agents, students, and academicians seeking coverage on the latest technological developments in medical data analysis and connectivity.

Energy Pardeep Singh 2021-09-06 Energy Global energy demand has more than doubled since 1970. The use of energy is strongly related to almost every conceivable aspect of development: wealth, health, nutrition, water, infrastructure, education and even life expectancy itself are strongly and significantly related to the consumption of energy per capita. Many development indicators are strongly related to per-capita energy consumption. Fossil fuel

is the most conventional source of energy but also increases greenhouse gas emissions. The economic development of many countries has come at the cost of the environment. However, it should not be presumed that a reconciliation of the two is not possible. The nexus concept is the interconnection between the resource energy, water, food, land, and climate. Such interconnections enable us to address trade-offs and seek synergies among them. Energy, water, food, land, and climate are essential resources of our natural environment and support our quality of life. Competition between these resources is increasing globally and is exacerbated by climate change. Improving resilience and securing resource availability would require improving resource efficiency. Many policies and programs are announced nationally and internationally for replacing the conventional mode and also emphasizing on conservation of fossil fuels and reuse of exhausted energy, so a gap in implications and outcomes can be broadly traced by comparing the data. This book aims to highlight problems and solutions related to conventional energy utilization, formation, and multitudes of ecological impacts and tools for the conservation of fossil fuels. The book also discusses modern energy services as one of the sustainable development goals and how the pressure on resource energy disturbs the natural flows. The recent advances in alternative energy sources and their possible future growth are discussed and on how conventional energy leads to greenhouse gas formation, which reduces energy use efficiency. The different policies and models operating is also addressed, and the gaps that remained between them. Climate change poses a challenge for renewable energy, and thus it is essential to identify the factors that would reduce the possibility of relying on sustainable energy sources. This book will be of interest to researchers and stakeholders, students, industries, NGOs, and governmental agencies directly or indirectly associated with energy research.

Artificial Intelligence and IoT-Based Technologies for Sustainable Farming and Smart Agriculture Tomar, Pradeep 2021-01-08 As technology continues to saturate modern society, agriculture has started to adopt digital computing and data-driven innovations. This emergence of "smart" farming has led to various advancements in the field, including autonomous equipment and the collection of climate, livestock, and plant data. As connectivity and data management continue to revolutionize the farming industry, empirical research is a necessity for understanding these technological developments. Artificial Intelligence and IoT-Based Technologies for Sustainable Farming and Smart Agriculture provides emerging research exploring the theoretical and practical aspects of critical technological solutions within the farming industry. Featuring coverage on a broad range of topics such as crop monitoring, precision livestock farming, and agronomic data processing, this book is ideally designed for farmers, agriculturalists, product managers, farm holders, manufacturers, equipment suppliers, industrialists, governmental professionals, researchers, academicians, and students seeking current research on technological applications within agriculture and farming.

Rich Dad, Poor Dad Robert T. Kiyosaki 2016-04-27 Although we have been successful in our careers, they have not turned out quite as we expected. We

both have changed positions several times-for all the right reasons-but there are no pension plans vesting on our behalf. Our retirement funds are growing only through our individual contributions. Michael and I have a wonderful marriage with three great children. As I write this, two are in college and one is just beginning high school. We have spent a fortune making sure our children have received the best education available. One day in 1996, one of my children came home disillusioned with school. He was bored and tired of studying. "Why should I put time into studying subjects I will never use in real life?" he protested. Without thinking, I responded, "Because if you don't get good grades, you won't get into college." "Regardless of whether I go to college," he replied, "I'm going to be rich."

Technology Entrepreneurship and Sustainable Development Pradeep Ray 2022-07-18 This book discusses the need for entrepreneurship for sustainable development from the perspective of Asia, the fastest growing region in the world. The world is now witnessing a spectacular rise of technology entrepreneurship, involving mobile phones, artificial intelligence, geospatial information systems and social media. On the other hand, governments all over the world, particularly those in low and medium income countries, are facing severe resource constraints in developing the livelihood and well-being of citizens. Although many non-government organizations (NGOs) have worked on various development projects in a number of social sectors such as health, education, disabilities, poverty alleviation and environment, there is still substantial scope for technological innovation, including more efficient, effective and user-friendly solutions in different parts of the world. This book is organized into 2 parts and consists of 17 chapters. The first part explores education and well-being, and the second part discusses the climate, environment and disaster management.

The Science and Engineering of Materials, SI Edition Donald R. Askeland 2011-01-01 The Science and Engineering of Materials Sixth Edition describes the foundations and applications of materials science as predicated upon the structure-processing-properties paradigm with the goal of providing enough science so that the reader may understand basic materials phenomena, and enough engineering to prepare a wide range of students for competent professional practice. By selecting the appropriate topics from the wealth of material provided in The Science and Engineering of Materials, instructors can emphasize materials, provide a general overview, concentrate on mechanical behavior, or focus on physical properties. Since the book has more material than is needed for a one-semester course, students will also have a useful reference for subsequent courses in manufacturing, materials, design, or materials selection. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A Complete Chapter-wise Logical Reasoning Book For CAT & Other MBA Entrance Exam | Practice Tests For Your Self-Evaluation EduGorilla Prep Experts 2022-09-01 A best-selling chapter-wise book on Logical Reasoning with objective-type questions as per the latest syllabus for CAT and other MBA

entrance exams. Increase your chances of selection by 16X. In addition to the well-structured content, each chapter contains a series of practice tests for your self-evaluation. Using expert-researched content, you will be able to pass your exam with stellar grades

BUSINESS ANALYSIS PRADEEP HARI PENDSE 2015-07-01 The second edition of this book is a response to the fact that today BAs are expected to not merely help in gathering requirement for software, but solve real-world business problems, act as design thinkers and innovators, architects, drive process, and business transformation, and become 'trusted advisors' to managements—while leveraging their core strength in Information Technology. If the earlier edition was the first book on the subject—this edition takes the subject to the next level by preparing a BA to become a design thinker! An architect/design thinker usually views any problem from multiple perspectives. This edition, has therefore, been structured such that most of the chapters represent a distinct view-point about a problem space, business area or a process. Divided into five sections, the book delves onto three important aspects of Business Analysis—Processes, Information and Systems. The external enterprise context, competitiveness and strategy; internal enterprise context; flow perspective; information perspective; decision/business rules perspective; dynamic perspective; innovation and human perspective and technology perspective are some of the key view-points described in the chapters. Each of these perspectives are covered by way of conceptual framework, real-life illustrations and practical tips for a BA. With the help of a comprehensive cases, this edition guides the BA to synthesize these discrete perspectives, and propose meaningful solutions to the organization. In doing this, the book also explains the core artifacts which a BA produces, viz. Requirements Documents, Estimation and Business Cases. The book is designed for the aspiring Business Analysts and IT Managers/CIOs. Besides, the book will be equally beneficial for the students opting for the courses on MIS, Systems Analysis and Design, MBA, MCA and Business Process Analysis.

Transforming Curriculum Through Teacher-Learner Partnerships Nair, Pradeep 2020-12-11 Empowering learners for life requires a fundamental shift in higher education curriculum design. New priorities, pedagogies, technologies, spaces, and assessment strategies are required to enable learners to take ownership of their learning. "Student-centeredness" concepts are still prescriptive in nature as most decisions on curriculum, assessment, teaching, and learning approaches are still teacher-centric. Teachers are developing student-centered learning environments without the involvement of the learners in the planning, decision making, and/or design process. In addition, some lecturers are still practicing the traditional approaches of content delivery and conventional assessment methods rather than experimenting with innovative practices suited for student-centered approaches. Therefore, there is an ongoing need for research focused on the importance and effectiveness of a paradigm shift in education that involves student-teacher partnerships, fueled by innovative teaching and learning designs, where students take an active role and contribute as partners in learning. Transforming Curriculum Through Teacher-

Learner Partnerships captures experiences and evidence among teachers in exploring the possibility of active student participation in curriculum design, delivery, and assessment through teacher-learner partnership. The chapters address issues of teacher-learner partnerships in designing the learning environment and how student-centered methods create resilient, adaptable, and future-capable learners. While highlighting topics within this scope such as learner autonomy, learning performance, self-efficacy, and teaching pedagogy, this book is ideally intended for teachers, administrators, teacher educators, practitioners, stakeholders, researchers, academicians, and students interested in issues related to the teacher-learner partnership.

Research Anthology on Multi-Industry Uses of Genetic Programming and Algorithms Management Association, Information Resources 2020-12-05 Genetic programming is a new and evolutionary method that has become a novel area of research within artificial intelligence known for automatically generating high-quality solutions to optimization and search problems. This automatic aspect of the algorithms and the mimicking of natural selection and genetics makes genetic programming an intelligent component of problem solving that is highly regarded for its efficiency and vast capabilities. With the ability to be modified and adapted, easily distributed, and effective in large-scale/wide variety of problems, genetic algorithms and programming can be utilized in many diverse industries. This multi-industry uses vary from finance and economics to business and management all the way to healthcare and the sciences. The use of genetic programming and algorithms goes beyond human capabilities, enhancing the business and processes of various essential industries and improving functionality along the way. The Research Anthology on Multi-Industry Uses of Genetic Programming and Algorithms covers the implementation, tools and technologies, and impact on society that genetic programming and algorithms have had throughout multiple industries. By taking a multi-industry approach, this book covers the fundamentals of genetic programming through its technological benefits and challenges along with the latest advancements and future outlooks for computer science. This book is ideal for academicians, biological engineers, computer programmers, scientists, researchers, and upper-level students seeking the latest research on genetic programming.

The Formation of National Party Systems Pradeep Chhibber 2009-01-10 Pradeep Chhibber and Ken Kollman rely on historical data spanning back to the eighteenth century from Canada, Great Britain, India, and the United States to revise our understanding of why a country's party system consists of national or regional parties. They demonstrate that the party systems in these four countries have been shaped by the authority granted to different levels of government. Departing from the conventional focus on social divisions or electoral rules in determining whether a party system will consist of national or regional parties, they argue instead that national party systems emerge when economic and political power resides with the national government. Regional parties thrive when authority in a nation-state rests with provincial or state governments. The success of political parties therefore depends on which level of government voters credit for policy outcomes. National political parties win

votes during periods when political and economic authority rests with the national government, and lose votes to regional and provincial parties when political or economic authority gravitates to lower levels of government. This is the first book to establish a link between federalism and the formation of national or regional party systems in a comparative context. It places contemporary party politics in the four examined countries in historical and comparative perspectives, and provides a compelling account of long-term changes in these countries. For example, the authors discover a surprising level of voting for minor parties in the United States before the 1930s. This calls into question the widespread notion that the United States has always had a two-party system. In fact, only recently has the two-party system become predominant.

Integrated Management from E-Business Perspective Pradeep Kumar Ray 2012-12-06 E-Business covers a broad spectrum of businesses based on the Internet, including e-commerce, e-healthcare, e-government and e tailing. While substantial attention is being given to the planning and development of e-business applications, the efficiency and effectiveness of e-business systems will largely depend on management solutions. These management solutions demand a good grasp of both the technical and business perspectives of an e-business service. There have been many books on the Internet based on e-commerce, Internet protocols, distributed components etc. However, none of these books address the problem of managing e business as a set of networked services. They do not link enterprise management with network and systems management. This book provides an overview of the emerging techniques for IT service management from a business perspective with case studies from telecommunication and healthcare sectors. It integrates the business perspective with relevant technical standards, such as SNMP, WBEM and DMI. This book presents some concepts and methodologies that enable the development of effective and efficient management systems for networked services. The book is intended to familiarize practicing managers, engineers, and graduate level students with networked service management concepts, architectures and methodologies with reference to evolving standards. It should be useful in a number of disciplines, such as business management, information systems, computers and networking, and telecommunications. Appendix 2 is based on TeleManagement (TM) Forum's documents on TOM (GB921,GB910 and GB908). While this appendix has explained the basic management concept of an e-telco, TMForum now recommends the use of eTOM as explained in www.tmforum.com. An overview of eTOM is available in the report The TeleManagement Forum's enhanced Telecom Operations Map (eTOM) by Michael Kelly appearing in the Journal of Network and Systems Management in March 2003.

Rural Marketing: Text And Cases, 2/E Krishnamacharyulu C. S. G. 2011-09

Simplifying Integration with IBM WebSphere DataPower Integration Appliance XI50 for zEnterprise Alex Louwe Kooijmans 2011-09-29 This IBM® RedpaperTM publication illustrates how the IBM WebSphere DataPower Integration Appliance XI50 for zEnterprise provides a secure, fast, cost-effective, easy-to-manage,

all-in-one enterprise application integration solution. On top of all the benefits that the DataPower XI50 and XI52 already provide, incorporating the DataPower XI50z into zEnterprise also provides a number of additional benefits: - Exploitation of the high-speed intraensemble data network (IEDN) connecting the zEnterprise Blade Extension (zBX) with the zEnterprise central processor complex (CPC), either a zEnterprise 196 (z196) or zEnterprise 114 (z114) - Secure incorporation of the DataPower XI50z appliance into a virtual local area network (VLAN) on the zBX - Unified management of the DataPower XI50z, along with other blades and optimizers using a common management tool - A centralized computing model, resulting in more efficient use of floor space, lower energy costs, and a lower total cost of ownership (TCO) The DataPower XI50z provides a variety of powerful integration scenarios specifically for older mainframe applications, making it a natural choice to include the appliance in your centralized zEnterprise server. This publication is intended for potential and actual users of the DataPower XI50z.

Drawing from Memory Allen Say 2016-04-26 Caldecott Medalist Allen Say presents a stunning graphic novel chronicling his journey as an artist during WWII, when he apprenticed under Noro Shinpei, Japan's premier cartoonist

Android Continuous Integration Pradeep Macharla 2017-08-26 Master continuous integration, deployment and automated testing for Android apps. You'll see how to set up and tear down sandbox environments to test the end-user experience, where you'll learn how to manage a mobile device in addition to the build machine. Android Continuous Integration applies a real-world CI pattern that has been thoroughly tested and implemented. This book starts with continuous integration concepts and the tools and code needed to become proficient in continuous integration for Android apps. You'll also follow acceptance test driven development (ATDD) best practice, giving you all the skills you need to become a better, more effective developer. Finally, you'll learn about the Appium mobile automation library and the Jenkins continuous integration tool. What You Will Learn Understand how to build an Android mobile app from source Set up a development or debugging environment for mobile apps Integrate with the Nexus dependency management and application release tool Work with the SonarQube code quality analyzer Use debugging tools in Android Who This Book Is For Product owners/business analysts, QA/test engineers, developers and build/deploy engineers.

Cisco Unity Deployment and Solutions Guide Todd Stone 2004 Cisco Unity Deployment and Solutions Guide shows you how to integrate Cisco Unity with Cisco IP-based communication solutions, including Cisco CallManager. Part I introduces you to the Cisco Unity architecture and teaches you about the Cisco Unity feature set. Part II helps you design and deploy a unified message solution with Cisco Unity, and Part III helps you manage and administer your solution by leveraging the tools within Cisco Unity. Cisco Unity Deployment and Solutions Guide teaches you all that you need to know about designing, deploying, and managing a sustainable, unified messaging solution.

Artificial Intelligence Lavanya Sharma 2021-10-29 Artificial Intelligence: Technologies, Applications, and Challenges is an invaluable resource for readers to explore the utilization of Artificial Intelligence, applications, challenges, and its underlying technologies in different applications areas. Using a series of present and future applications, such as indoor-outdoor securities, graphic signal processing, robotic surgery, image processing, character recognition, augmented reality, object detection and tracking, intelligent traffic monitoring, emergency department medical imaging, and many more, this publication will support readers to get deeper knowledge and implementing the tools of Artificial Intelligence. The book offers comprehensive coverage of the most essential topics, including: Rise of the machines and communications to IoT (3G, 5G). Tools and Technologies of Artificial Intelligence Real-time applications of artificial intelligence using machine learning and deep learning. Challenging Issues and Novel Solutions for realistic applications Mining and tracking of motion based object data image processing and analysis into the unified framework to understand both IoT and Artificial Intelligence-based applications. This book will be an ideal resource for IT professionals, researchers, under or post-graduate students, practitioners, and technology developers who are interested in gaining insight to the Artificial Intelligence with deep learning, IoT and machine learning, critical applications domains, technologies, and solutions to handle relevant challenges.

Aquananotechnology David E. Reisner 2014-09-24 The world's fresh water supplies are dwindling rapidly—even wastewater is now considered an asset. By 2025, most of the world's population will be facing serious water stresses and shortages. Aquananotechnology: Global Prospects breaks new ground with its informative and innovative introduction of the application of nanotechnology to the remediation of contaminated water for drinking and industrial use. It provides a comprehensive overview, from a global perspective, of the latest research and developments in the use of nanotechnology for water purification and desalination methods. The book also covers approaches to remediation such as high surface area nanoscale media for adsorption of toxic species, UV treatment of pathogens, and regeneration of saturated media with applications in municipal water supplies, produced water from fracking, ballast water, and more. It also discusses membranes, desalination, sensing, engineered polymers, magnetic nanomaterials, electrospun nanofibers, photocatalysis, endocrine disruptors, and Al13 clusters. It explores physics-based phenomena such as subcritical water and cavitation-induced sonoluminescence, and fog harvesting. With contributions from experts in developed and developing countries, including those with severe contamination, such as China, India, and Pakistan, the book's content spans a wide range of the subject areas that fall under the aquananotechnology banner, either squarely or tangentially. The book strongly emphasizes sorption media, with broad application to a myriad of contaminants—both geogenic and anthropogenic—keeping in mind that it is not enough for water to be potable, it must also be palatable.

The Last Nude Ellis Avery 2012-12-31 Agreeing to model nude for Art Deco

painter Tamara de Lempicka in 1927 Paris, young American Rafaela Fano inspires the artist's most iconic Jazz Age images and becomes her lover while discovering darker truths about Tamara's private life.

Foundation Course for NEET (Part 2): Chemistry Class 9 Lakhmir Singh & Manjit Kaur Our NEET Foundation series is sharply focused for the NEET aspirants. Most of the students make a career choice in the middle school and, therefore, choose their stream informally in secondary and formally in senior secondary schooling, accordingly. If you have decided to make a career in the medical profession, you need not look any further! Adopt this series for Class 9 and 10 today.

Artificial Intelligence to Solve Pervasive Internet of Things Issues Gurjit Kaur 2020-11-18 Artificial Intelligence to Solve Pervasive Internet of Things Issues discusses standards and technologies and wide-ranging technology areas and their applications and challenges, including discussions on architectures, frameworks, applications, best practices, methods and techniques required for integrating AI to resolve IoT issues. Chapters also provide step-by-step measures, practices and solutions to tackle vital decision-making and practical issues affecting IoT technology, including autonomous devices and computerized systems. Such issues range from adopting, mitigating, maintaining, modernizing and protecting AI and IoT infrastructure components such as scalability, sustainability, latency, system decentralization and maintainability. The book enables readers to explore, discover and implement new solutions for integrating AI to solve IoT issues. Resolving these issues will help readers address many real-world applications in areas such as scientific research, healthcare, defense, aeronautics, engineering, social media, and many others. Discusses intelligent techniques for the implementation of Artificial Intelligence in Internet of Things Prepared for researchers and specialists who are interested in the use and integration of IoT and Artificial Intelligence technologies