

Aakash Institute Study Package Solutions

Light Metals: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Light Metals. The editors have built Light Metals: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Light Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Light Metals: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Volume Five of Business and Society 360 focuses on research from leading scholars in this discipline contribute to a 360-degree evaluation of theory, including cross-discipline research, empirical explorations, cross-cultural studies, literature critiques, and meta-analysis projects.

Thanks to rapid technological developments in terms of Computational Intelligence, smart tools have been playing active roles in daily life. It is clear that the 21st century has brought about many advantages in using high-level computation and communication solutions to deal with real-world problems; however, more technologies bring more changes to society. In this sense, the concept of smart cities

Read Free Aakash Institute Study Package Solutions

has been a widely discussed topic in terms of society and Artificial Intelligence-oriented research efforts. The rise of smart cities is a transformation of both community and technology use habits, and there are many different research orientations to shape a better future. The objective of this book is to focus on Explainable Artificial Intelligence (XAI) in smart city development. As recently designed, advanced smart systems require intense use of complex computational solutions (i.e., Deep Learning, Big Data, IoT architectures), the mechanisms of these systems become 'black-box' to users. As this means that there is no clear clue about what is going on within these systems, anxieties regarding ensuring trustworthy tools also rise. In recent years, attempts have been made to solve this issue with the additional use of XAI methods to improve transparency levels. This book provides a timely, global reference source about cutting-edge research efforts to ensure the XAI factor in smart city-oriented developments. The book includes both positive and negative outcomes, as well as future insights and the societal and technical aspects of XAI-based smart city research efforts. This book contains nineteen contributions beginning with a presentation of the background of XAI techniques and sustainable smart-city applications. It then continues with chapters discussing XAI for Smart Healthcare, Smart Education, Smart Transportation, Smart Environment, Smart Urbanization and Governance, and Cyber Security for Smart Cities.

This book presents a collection of papers presented at the 3rd World Congress on Integrated Computational Materials Engineering (ICME), a specialty conference organized by The Minerals, Metals & Materials Society (TMS). This meeting convened ICME stakeholders to examine topics relevant to the global advancement of ICME as an engineering discipline. The papers presented in these proceedings are

Read Free Aakash Institute Study Package Solutions

divided into six sections: (1) ICME Applications; (2) ICME Building Blocks; (3) ICME Success Stories and Applications (4) Integration of ICME Building Blocks: Multi-scale Modeling; (5) Modeling, Data and Infrastructure Tools, and (6) Process Optimization. . These papers are intended to further the global implementation of ICME, broaden the variety of applications to which ICME is applied, and ultimately help industry design and produce new materials more efficiently and effectively.

This book constitutes the refereed proceedings of the 15th Annual Conference on Theory and Applications of Models of Computation, TAMC 2019, held in Kitakyushu, Japan, in April 2019. The 43 revised full papers were carefully reviewed and selected from 60 submissions. The main themes of the selected papers are computability, computer science logic, complexity, algorithms, models of computation, and systems theory.

This book constitutes the refereed post-conference proceedings of the First International Conference on Smart Cities, Infrastructures, Technologies and Applications, SCITA 2017, held in Jeddah, Saudi Arabia, in November 2017. The 35 revised full papers were carefully reviewed and selected from 62 submissions. The papers are grouped in topical sections: infrastructure track, e-governance and transportation track, healthcare track, applications track.

Issues in General Food Research / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about General Food Research. The editors have built Issues in General Food Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about General Food Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of

Read Free Aakash Institute Study Package Solutions

Issues in General Food Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. The TeacherNi ICSE Predictive Question Paper Booklet has been specially designed with a view to comprehensively cover the entire ICSE syllabus. All the predictive Question Papers have been prepared by board experts and conform to the exacting standards of the Indian School Certificate of Secondary Education (ICSE). The booklet aims to provide students with expert guidance and systematic preparation for the board exams to be held in the year 2015. Subjects: Geography, English (English Language & English Literature), History, Mathematics, Computer Applications, Hindi. Solutions are available on the website after purchase. Follow instructions inside book after purchase.

Light Metals—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Light Metals. The editors have built Light Metals—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Light Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Light Metals—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the

Read Free Aakash Institute Study Package Solutions

editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

This book reports on cutting-edge research and technologies in the field of advanced manufacturing and materials, with a special emphasis on unconventional machining process, rapid prototyping and biomaterials. Based on the International Conference on Manufacturing Engineering and Materials (ICMEM 2018), held in Nový Smokovec, Slovakia on 18–22 June 2018, it covers advances in various disciplines, which are expected to increase the industry's competitiveness with regard to sustainable development and preservation of the environment and natural resources. Condition monitoring, industrial automation, and diverse fabrication processes such as welding, casting and molding, as well as tribology and bioengineering, are just a few of the topics discussed in the book's wealth of authoritative contributions.

"This edited book will start with an introduction to feature engineering and then move onto recent concepts, methods and applications with the use of various data types that includes: text, image, streaming data, social network data, financial data, biomedical data, bioinformatics etc. to help readers gain insight into how features can be extracted and transformed from raw data"--

This book demonstrates the measurement, monitoring and mapping of environmental contaminants in soil & sediment, surface & groundwater and atmosphere. This book explores state-of-art techniques based on methodological and modeling in modern geospatial techniques specifically focusing on the recent trends in data mining techniques and robust modeling. It also presents modifications of and improvements to existing control technologies for remediation of environmental contaminants. In addition, it includes three

Read Free Aakash Institute Study Package Solutions

separate sections on contaminants, risk assessment and remediation of different existing and emerging pollutants. It covers major topics such as: Radioactive Wastes, Solid and Hazardous Wastes, Heavy Metal Contaminants, Arsenic Contaminants, Microplastic Pollution, Microbiology of Soil and Sediments, Soil Salinity and Sodicity, Aquatic Ecotoxicity Assessment, Fluoride Contamination, Hydrochemistry, Geochemistry, Indoor Pollution and Human Health aspects. The content of this book will be of interest to researchers, professionals, and policymakers whose work involves environmental contaminants and related solutions.

Light Metals—Advances in Research and Application: 2012 Edition ScholarlyEditions

Transition Elements—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Transition Elements. The editors have built Transition Elements—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™

You can expect the information about Transition Elements in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Transition Elements—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Mark Twain observed, "I'm in favour of progress; it's change I don't like." Coal dominates Indian energy because it's available domestically and cheap (especially without a carbon

Read Free Aakash Institute Study Package Solutions

tax). If the global focus is on the energy transition, how does India ensure a just transition? Managing winners and losers will be the single largest challenge for India's energy policy. Coal is entrenched in a complex ecosystem. In some states, it's amongst the largest contributors to state budgets. The Indian Railways, India's largest civilian employer, is afloat because it overcharges coal to offset under-recovery from passengers. Coal India Limited, the public sector miner that produces 85% of domestic coal, is the world's largest coal miner. But despite enormous reserves, India imports about a quarter of consumption. On the flip side, coal faces inevitable pressure from renewable energy, which is the cheapest option for new builds. However, there is significant coal-based power capacity already in place, some of which is underutilized, or even stranded. Low per-capita energy consumption means India must still grow its energy supply. Before India can phase out coal, it must first achieve a plateau of coal. How this happens cost-effectively and with least resistance isn't just a technical or economic question, it depends on the political economy of coal and its alternatives. Some stakeholders want to kill coal. A wiser option may be to first clean it up, instead of wishing it away. Across 18 chapters, drawing from leading experts in the field, we examine all aspects of coal's future in India. We find no easy answers, but attempt to combine the big picture with details, bringing them together to offer a range of policy options. The four-volume set LNCS 6946-6949 constitutes the refereed proceedings of the 13th IFIP TC13 International Conference on Human-Computer Interaction, INTERACT 2011, held in Lisbon, Portugal, in September 2011. The 49 papers included in the second volume are organized in topical sections on health, human factors, interacting in public spaces, interacting with displays, interaction design for developing regions, interface design, international and cultural

Read Free Aakash Institute Study Package Solutions

aspect of HCI, interruptions and attention, mobile interfaces, multi-modal interfaces, multi-user interaction/cooperation, and navigation and wayfinding.

Given the above challenge, we have selected a few authentic Indian cases that can be used to discuss various concepts of digital marketing. This will address the dearth of contextual cases in the field of digital marketing. The book is a collection of short cases which address specific issues on digital marketing like social media marketing, email marketing, campaign management and analysis, digital marketing strategies, blogs and others. We have tried to present real digital marketing challenges faced by organizations, and how they manage their marketing issues. Each case was developed by considered effort of the authors and editors so that a right blend of theory and practice can be presented in front of the readers. We are hopeful that this book will prove to be useful to both students and teachers working in the area of digital marketing. This book can be used as a supplement to any Digital Marketing text of a professor's choice for both classroom teaching for management programs, and teaching at executive training and regular courses. We hope to bring out new editions of the book with additional/new cases every year or two and keep it contemporary.

Biological Factors: Advances in Research and Application: 2011 Edition is a ScholarlyEditions™

Read Free Aakash Institute Study Package Solutions

eBook that delivers timely, authoritative, and comprehensive information about Biological Factors. The editors have built Biological Factors: Advances in Research and Application: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Biological Factors in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Biological Factors: Advances in Research and Application: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. Development Challenges, South-South Solutions is the monthly e-newsletter for the United Nations Development Programme's South-South Cooperation Unit (www.southerninnovator.org). It has been published every month since 2006. Issues in Metal Research / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metal Research. The editors have built Issues in Metal Research: 2011 Edition on the vast

Read Free Aakash Institute Study Package Solutions

information databases of ScholarlyNews.™ You can expect the information about Metal Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Metal Research / 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Metals—Advances in Research and Application: 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metals. The editors have built Metals—Advances in Research and Application: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Metals in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Metals—Advances in Research and Application: 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and

Read Free Aakash Institute Study Package Solutions

companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

This book comprises select proceedings of the international conference ETAEERE 2020, and covers latest research in the areas of electronics, communication and computing. The book includes different approaches and techniques for specific applications using particle swarm optimization, Otsu's function and harmony search optimization algorithm, DNA-NAND gate, triple gate SOI MOSFET, micro-Raman and FTIR analysis, high-k dielectric gate oxide, spectrum sensing in cognitive radio, microstrip antenna, GPR with conducting surfaces, energy efficient packet routing, iBGP route reflectors, circularly polarized antenna, double fork shaped patch radiator, implementation of Doppler radar at 24 GHz, iris image classification using SVM, digital image forgery detection, secure communication, spoken dialog system, and DFT-DCT spreading strategies. Given the range of topics covered, this book can be useful for both students and researchers working in electronics and communication.

The TeacherNi ICSE Predictive Question Paper

Read Free Aakash Institute Study Package Solutions

Booklet has been specially designed with a view to comprehensively cover the entire ICSE syllabus. All the predictive Question Papers have been prepared by board experts and conform to the exacting standards of the Indian School Certification of Secondary Education (ICSE). The booklet aims to provide students with expert guidance and systematic preparation for the board exams to be held in the year 2015. Subjects: Physics, Chemistry, Biology. Solutions are available on the website after purchase. Follow instructions inside book after purchase.

This book closely examines the changes, challenges and shifts in India's family planning programme since its inception in 1952. It discusses the dynamics of population growth, the demographic dividend, family planning and its impact on maternal and child health, and the pressures from various quarters to remove method-specific contraceptive targets from the programme. The volume highlights the shortcomings in the delivery of services by the public sector and the critical role of non-government organisations in research, promotion and advocacy. Rich in empirical data, this book will be an indispensable resource for scholars, policymakers, organisations and NGOs concerned with population and demographic studies. It will also interest those in sociology, public policy and public health.

The role of technology in educational settings has

become increasingly prominent in recent years. When utilized effectively, these tools provide a higher quality of learning for students. Optimizing STEM Education With Advanced ICTs and Simulations is an innovative reference source for the latest scholarly research on the integration of digital tools for enhanced STEM-based learning environments. Highlighting a range of pivotal topics such as mobile games, virtual labs, and participatory simulations, this publication is ideally designed for educators, professionals, academics, and students seeking material on emerging educational technologies.

This book comprises select papers presented at the International Conference on Mechanical Engineering Design (ICMechD) 2019. The volume focuses on the different design aspects involved in manufacturing, composite materials processing as well as in engineering management. A wide range of topics such as control and automation, mechatronics, robotics, composite and nanomaterial design, and welding design are covered here. The book also discusses current research in engineering management on topics like products, services and system design, optimization in design, manufacturing planning and control, and sustainable product design. Given the range of the contents, this book will prove useful to students, researchers and practitioners.

Read Free Aakash Institute Study Package Solutions

Issues in Metal Research / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Metallurgy. The editors have built Issues in Metal Research: 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Metallurgy in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Metal Research / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>. This book serves the need for developing an insight and understanding of the cutting-edge innovation in Cloud technology. It provides an understanding of cutting-edge innovations, paradigms, and security by using real-life applications, case studies, and examples. This book provides a holistic view of cloud technology theories, practices, and future applications with real-life examples. It comprehensively explains cloud technology, design principles, development trends, maintaining state-of-

Read Free Aakash Institute Study Package Solutions

the-art cloud computing and software services. It describes how cloud technology can transform the operating contexts of business enterprises. It exemplifies the potential of cloud computing for next-generation computational excellence and the role it plays as a key driver for the 4th industrial revolution in Industrial Engineering and a key driver for manufacturing industries. Researchers, academicians, postgraduates, and industry specialists will find this book of interest.

This volume discusses how environmental pollutants are involved in the pathogenesis of neurological disorders, and covers specific mechanisms and risk factors, as well as the necessary strategies to reduce the adverse impacts of environmental pollutants on the human nervous system. With a collection of contributions from experts in environmental pollution, neurology and pharmaceutical chemistry, the book provides both an introduction to the pathogenesis of neurodegeneration, including the types and different classes of neurological disorders, and studies demonstrating the clear link between environmental contaminants (e.g. pesticides, smoking, mycotoxins, persistent organic pollutants (POP's), polychlorinated biphenyls, phthalates, nanomaterials) and the development of neurological disorders in vulnerable populations. The book fills in a gap in research on the topic by also covering state-of-the-art treatment

Read Free Aakash Institute Study Package Solutions

strategies and mitigation measures for each type of pollutant. The book will be of interest to environmental scientists, pharmacologists, toxicologists, biochemists, biotechnologists, and food and drug regulatory organizations.

This monograph is based on methanol as a fuel for transportation sector, specifically for compression ignition (CI) engines. The contents present examples of utilization of methanol as a fuel for CI engines in different modes of transportation such as railroad, personal vehicles or heavy duty road transportation. The book also focuses on effect of methanol on combustion and performance characteristics of the engine. The effect of methanol on exhaust emission production, prediction and control is also discussed. It also discusses current methanol utilization and its potential, its effect on the engine in terms of efficiency, combustion, performance, pollutants formation and prediction. Part of the chapters are based on review of state-of-the-art while other chapters are dedicated to an original research. This volume will be a useful guide to professionals and academics involved in alternative fuels, compression ignition engines, and environmental research. This book presents ongoing research activities of currently available renewable energy technologies and the approaches towards clean technology for enabling a socio-economic model for the present and future generations to live in a clean and healthy

Read Free Aakash Institute Study Package Solutions

environment. The book provides chapter wise implementation of research works in the area of green energy technologies with proper methods used with solution strategies and energy efficiency approaches by combining theory and practical applications. Readers are introduced to practical problems of green computation and hybrid resources optimization with solution based approaches from the current research outcomes. The book will be of use to researchers, professionals, and policy-makers alike.

This book presents the selected peer-reviewed proceedings of the International Conference on Innovative Engineering Design (ICOIED 2020). The contents provide a multidisciplinary approach for the development of innovative product design and their benefits for the society. The book presents latest advances in various fields like design process, service development, micro/nano technology, sensors and MEMS, and sustainability in engineering design. This book can be useful for students, researchers, and professionals interested in innovative product/process design and development.

This book follows a context-based approach to management of early-onset scoliosis (EOS) in countries with limited resources in education, finance, and research. Due to the great variety in etiology, onset age, progression rate, and severity

Read Free Aakash Institute Study Package Solutions

associated with EOS, it calls for a unique treatment plan. This book enumerates the optimal provision of surgical and non-surgical services, from education/training of local surgeons, to effective teamwork, to implementing an effective data collection system; helping the surgeon to gain a hands-on experience. It also illustrates the successful execution of deformity correction using real life experiences from countries in Asia, Africa, and Latin America. Key Features Discusses biomedical principles that will help to get universally standard implants that are credible and affordable for countries with limited resources. Specific surgical Guidelines and the ability to develop evidence-based practice for this service would be an interesting read for surgeons working in global organizations as well as to local surgeons. First book to focus on countries with limited resources for the management of early onset scoliosis.

Profiles more than 100 scientists from around the world who made important contributions to the study of weather and climate, including David Atlas, John Dalton, Kristina Katsaros, and Klaus Wyrski.

This book discusses advanced technologies for applications in renewable energy and power systems. The topics covered include neural network applications in power electronics, deep learning applications in power systems, design and simulation of multilevel inverters, solid state

Read Free Aakash Institute Study Package Solutions

transformers, neural network applications for fault detection in power electronics, etc. The book also discusses the important role of artificial intelligence in power systems, and machine learning for renewable energy. This book will be of interest to researchers, professionals, and technocrats looking at power systems, power distribution, and grid operations. .

The book presents new approaches and methods for solving real-world problems. It offers, in particular, exploratory research that describes novel approaches in the fields of Cognitive Informatics, Cognitive Computing, Computational Intelligence, Advanced Computing, Hybrid Intelligent Models and Applications. New algorithms and methods in a variety of fields are also presented, together with solution-based approaches. The topics addressed include various theoretical aspects and applications of Computer Science, Artificial Intelligence, Cybernetics, Automation Control Theory and Software Engineering.

The current trends in Geotechnical Engineering are moving towards sustainable design and construction. Studies presented in this volume present recent research findings and critically review the existing literature related to assessment of sustainable geomaterials and environmental geotechnics. Special emphasise is given to the material characterization on industry by product or newly

Read Free Aakash Institute Study Package Solutions

developed sustainable materials in geotechnical engineering or pavement engineering. This volume is based on contributions to the 6th GeoChina International Conference on Civil & Transportation Infrastructures: From Engineering to Smart & Green Life Cycle Solutions -- Nanchang, China, 2021. Advances in Steel Research and Application / 2012 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Steel. The editors have built Advances in Steel Research and Application / 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Steel in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Advances in Steel Research and Application / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

[Copyright: 1aef7fcc2daaa92b2ced6f6153703afa](http://www.ScholarlyEditions.com/)