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A Textbook of Engineering Mechanics OUP India

The book is written as primer hand book for addressing the fundamentals of smart grid. It provides the working definition the functions, the design criteria and the tools and techniques and technology needed for building smart grid. The book is needed to provide a working guideline in the design, analysis and development of Smart Grid. It incorporates all the essential factors of Smart Grid appropriate for enabling the performance and capability of the power system. There are no comparable books which provide information on the "how to" of the design and analysis. The book provides a fundamental discussion on the motivation for the smart grid development, the working definition and the tools for analysis and development of the Smart Grid. Standards and requirements needed for designing new devices, systems and products are discussed; the automation and computational techniques need to ensure that the Smart Grid guarantees adaptability, foresight alongside capability of handling new systems and components are discussed. The interoperability of different renewable energy sources are included to ensure that there will be minimum changes in the existing legacy system. Overall the book evaluates different options of computational intelligence, communication technology and decision support system to design various aspects of Smart Grid. Strategies for demonstration of Smart Grid schemes on selected problems are presented. Information Retrieval Routledge

The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

Remote Sensing and GIS Pearson Education India

Drawn from the 7th Glion Colloquium held in 2009, this volume considers the role of research universities in an innovation-driven global society. Whether in the "old world" of Europe and North America or in rapidly developing nations, the message is clear: innovation has become the key to prosperity and social well-being in a hypercompetitive global economy. Part I introduces several forms of economic, technological, and social innovation. Part II discusses agents of innovation from the points of view of a research university, industry, and national innovation policies. Part III presents university leaders from long-established and emerging institutions to compare how regional and institutional characteristics shape innovation strategies. Part IV focuses on approaches to innovation at national and institutional levels, including a U.S. approach to energy challenges, the shift of high-tech industry toward open innovation, and the challenges of creating world-class universities. Part V addresses the intellectual character of innovation and its relationship to the university's mission. Today's economy requires not only leadership in innovation but also educated citizens capable of applying technology, talent, and capital in new ways. Institutions of higher learning must collaborate with industry and government to create a climate and culture that enable innovation to thrive.

Mathematics-1: Additional Solved Gujarat Technical University Examination Questions Routledge

Introducing data communications and computer networks, this revised and updated edition takes account of developments in the area. Coverage includes essential theory associated with digital transmission, interface standards, data compression and error detection methods.

Smart Grid "O'Reilly Media, Inc."

This useful reference describes the statistical planning and design of pharmaceutical experiments, covering all stages in the development process-including preformulation, formulation, process study and optimization, scale-up, and robust process and formulation development. Shows how to overcome pharmaceutical, technological, and economic constraint

Smart Environments and Innovation-for-all Strategies John Wiley & Sons

"Designed for an introductory course on Biochemical Engineering, this book interweaves bioprocessing with chemical reaction engineering concepts"--Back cover.

Sre Shreves Chemical Process Industries Handbook, 5/E Prentice Hall

This book has been designed as per the Mathematics - 2 course offered in the first year to the undergraduate engineering students of GTU. The book provides in-depth coverage and complete explanation of topics which will help in easy understanding of the basic concepts. The methodical approach followed in the book will enable readers to develop a logical outlook for the course. Salient Features: ? Complete coverage of the GTU syllabus ? Solutions of GTU examination questions within chapters ? Diverse pedagogy o Chapter outline, Points to remember etc. o Solved examples within chapters: 649 o Unsolved problems within chapters: 561

Wastewater Treatment for Pollution Control John Wiley & Sons

Part I: Process design -- Introduction to design -- Process flowsheet development -- Utilities and energy efficient design -- Process simulation -- Instrumentation and process control -- Materials of construction -- Capital cost estimating -- Estimating revenues and production costs -- Economic evaluation of projects -- Safety and loss prevention -- General site considerations -- Optimization in design -- Part II: Plant design -- Equipment selection, specification and design -- Design of pressure vessels -- Design of reactors and mixers -- Separation of fluids -- Separation columns (distillation, absorption and extraction) -- Specification and design of solids-handling equipment -- Heat transfer equipment -- Transport and storage of fluids.

Industrial Internet of Things McGraw-Hill Education

????? ?????????? ?????????? ?????? (????? ??????????), ????? ?????????? ?????????? ?????????? ??????????--????? ?????????? 2022 ?? ?????????? ?????? ?????????? ?????? ?????????????? (?????????????????) ?????????????????? ????? - ?????????? ??????????????: - 1. ?????????? ?????????? ??? ??????????????--????????????????????? ?????????????? ?? ?????????????? ?????????????????? ?????????? ??????????. 2. ?????????? ?????? OMR ???, 3. ?????????? ??????????--????? ?? ?????? ?????????? ?????????? ??? ?????????? ?????????? ?????????? ?????????? 4. ?????????????????? ?????????????? ?? ??????????/????? ?? ?????????? ??????????, 5. ?????????? ?????????? ?????????? ?? ?????????? ?? ?????????? ?????????? ?????????? 6. ?????????? ?????????? ?????????? ?????????? ?????????? ?????????? ?????????? ?????????? ?? ?????? Content : - 1. The Story of early Cities: Harappan Archaeology, 2. Political and Economics history from the Mauryan to Gupta Period, 3. Social History: With Special reference to Mahabharata, 4.history of Ancient Indian Religion With Special Reference To Buddhism and Sanchi Stupa, 5. The Ain-I-Akbari : Agraian Relations, 6. The mughal Court: Reconstructing History Through Chronical, 7. Architecture of Hampi (Vijaynagar), 8. Religious History :The Bhakti -Sufi tradition, 9. Medieval Society

Through Foreign travellers Accounts, 10. Colonialism and rural Society : Evidence from Official Reports, 11.1857 A Review, 12. Colonial cities : Urbanisation, Planning, And Architecture, 13.Mahatma Gandhi Through Contemporary Eyes and his Role in The Indian Politics, 14. Partition of India and its Study through oral Sources, 15. Making of the Indian Constitution, Model Paper : Set I-IV (With OMR Sheet) Board Examination Paper (Bihar).

Power Plant Engineering McGraw-Hill Education

Revised extensively, the new edition of this text conforms to the syllabi of all Indian Universities in India. This text strictly focuses on the undergraduate syllabus of Design of Machine Elements I and II , offered over two semesters.

Theory and Practice Elsevier

Mathematics-2 McGraw-Hill Education

Environmental Science: Additional Solved Gujarat Technical

University Examination Questions Tata McGraw-Hill Education

Remote Sensing and GIS 2e is a comprehensive textbook specially designed to meet the requirements of undergraduate courses in civil, geoinformatics/geomatics, geotechnical, survey, and environmental engineering. It will equally meet the requirements of undergraduate courses in geological science, environmental science, earth sciences, geography, geophysics, earth resources management, environmental management, and disaster management.

??????? (Itihas - History) Class- XII Model Paper Chapter wise Question Answer With Marking Scheme CRC Press

This book concludes a trilogy that began with Intelligent Cities: Innovation, Knowledge Systems and digital spaces (Routledge 2002) and Intelligent Cities and Globalisation of Innovation Networks (Routledge 2008). Together these books examine intelligent cities as environments of innovation and collaborative problem-solving. In this final book, the focus is on planning, strategy and governance of intelligent cities. Divided into three parts, each section elaborates upon complementary aspects of intelligent city strategy and planning. Part I is about the drivers and architectures of the spatial intelligence of cities, while Part II turns to planning processes and discusses top-down and bottom-up planning for intelligent cities. Cities such as Amsterdam, Manchester, Stockholm and Helsinki are examples of cities that have used bottom-up planning through the gradual implementation of successive initiatives for regeneration. On the other hand, Living PlanIT, Neapolis in Cyprus, and Saudi Arabia intelligent cities have started with the top-down approach, setting up urban operating systems and common central platforms. Part III focuses on intelligent city strategies; how cities should manage the drivers of spatial intelligence, create smart environments, mobilise communities, and offer new solutions to address city problems. Main findings of the book are related to a series of models which capture fundamental aspects of intelligent cities making and operation. These models consider structure, function, planning, strategies toward intelligent environments and a model of governance based on mobilisation of communities, knowledge architectures, and innovation cycles.

Port and Harbour Engineering Atlantic Publishers & Dist

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Single Variable Economica Limited

Written for introductory courses in engineering design, this text

illustrates conceptual design methods and project management tools through descriptions, examples, and case studies.

John Wiley & Sons

This is the first textbook on pattern recognition to present the Bayesian viewpoint. The book presents approximate inference algorithms that permit fast approximate answers in situations where exact answers are not feasible. It uses graphical models to describe probability distributions when no other books apply graphical models to machine learning. No previous knowledge of pattern recognition or machine learning concepts is assumed. Familiarity with multivariate calculus and basic linear algebra is required, and some experience in the use of probabilities would be helpful though not essential as the book includes a self-contained introduction to basic probability theory.

Introduction to Biochemical Engineering John Wiley & Sons Incorporated
?ABOUT THE BOOK: This book titled "Operations Research: Introduction and Applications" provides undergraduate and graduate students with basic concepts, techniques and applications of linear programming and related topics. With this first edition. We have tried to meet the expectations of the students by describing methodologies used in operations research effectively from the introductory level. With a strong emphasis on conceptual knowledge, the book provides working methodologies along with illustrations and examples. Suitable for individual and group learning, it bestows numerous worked out examples and questions inquired in the preceding years. Practicing engineers and managers will find it pragmatic in industry related application problems. Level of the book has been kept moderately elementary and plain salted to provide its' readers with lucidity and perceptibility. It is hoped that this book will be advantageous to the tutees and prove to be serviceable. ?OUTSTANDING FEATURES: It is hoped that this book will be advantageous to the tutees and prove to be serviceable Provides undergraduate and graduate students with basic concepts, techniques and applications of linear programming and related topics ?RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS, and AMIE Examinations ?ABOUT THE AUTHOR: Dr. Vandana Bagla (Msc (Maths), M.Phil.(Maths), MBA (HR), Ph. D. (O.R.)) Assistant Professor, Department of Applied Sciences Maharaja Agrasen Institute Of Technology, Rohini Sec-22, Delhi & Naveen Solanki (B.Tech(MAE), M.E. (Thermal Engr.), Ph.D.(P)) Assistant Professor, Department of Mechanical and Automation Maharaja Agrasen Institute of Technology, Rohini Sec-22, Delhi ?BOOK DETAILS: ISBN: 978-81-89401-56-6 Pages: 339 + 12 Edition: 1st, Year-2017 Size(cms): L-23.5 B-15.7 H-1.2: ?PUBLISHED BY: STANDARD BOOK HOUSE Since 1960 Unit of Rajsons Publications Pvt Ltd Regd Office: 4262/3A Ground Floor Ansari Road Daryaganj New Delhi-110002 +91 011 43551185/43551085/43751128/23250212 Retail Office : 1705-A Nai Sarak Delhi-110006 011 23265506 Website: www.standardbookhouse.com A venture of Rajsons Group of Companies
Mocktime Publication Vikas Publishing House

This book develops the core system science needed to enable the development of a complex industrial internet of things/manufacturing cyber-physical systems (IIoT/M-CPS). Gathering contributions from leading experts in the field with years of experience in advancing manufacturing, it fosters a research community committed to advancing research and education in IIoT/M-CPS and to translating applicable science and technology into engineering practice. Presenting the current state of IIoT and the concept of cybermanufacturing, this book is at the nexus of research advances from the engineering and computer and information science domains. Readers will acquire the core system science needed to transform to cybermanufacturing that spans the full spectrum from ideation to physical realization.

Cryptography SBPD Publications

Data in all domains is getting bigger. How can you work with it efficiently? Recently updated for Spark 1.3, this book introduces Apache Spark, the open source cluster computing system that makes data analytics fast to write and fast to run. With Spark, you can tackle big datasets quickly through simple APIs in Python, Java, and Scala. This edition includes new information on Spark SQL, Spark Streaming, setup, and Maven coordinates. Written by the developers of Spark, this book will have data scientists and engineers up and running in no time. You'll learn how to express parallel jobs with just a few lines of code, and cover applications from simple batch

into Spark capabilities such as distributed datasets, in-memory caching, and the interactive shell Leverage Spark's powerful built-in libraries, including Spark SQL, Spark Streaming, and MLlib Use one programming paradigm instead of mixing and matching tools like Hive, Hadoop, Mahout, and Storm Learn how to deploy interactive, batch, and streaming applications Connect to data sources including HDFS, Hive, JSON, and S3 Master advanced topics like data partitioning and shared variables

Advance Computing Technology Tata McGraw-Hill Education

Through three editions, *Cryptography: Theory and Practice*, has been embraced by instructors and students alike. It offers a comprehensive primer for the subject's fundamentals while presenting the most current advances in cryptography. The authors offer comprehensive, in-depth treatment of the methods and protocols that are vital to safeguarding the seemingly infinite and increasing amount of information circulating around the world. Key Features of the Fourth Edition: New chapter on the exciting, emerging new area of post-quantum cryptography (Chapter 9). New high-level, nontechnical overview of the goals and tools of cryptography (Chapter 1). New mathematical appendix that summarizes definitions and main results on number theory and algebra (Appendix A). An expanded treatment of stream ciphers, including common design techniques along with coverage of Trivium. Interesting attacks on cryptosystems, including: padding oracle attack correlation attacks and algebraic attacks on stream ciphers attack on the DUAL-EC random bit generator that makes use of a trapdoor. A treatment of the sponge construction for hash functions and its use in the new SHA-3 hash standard. Methods of key distribution in sensor networks. The basics of visual cryptography, allowing a secure method to split a secret visual message into pieces (shares) that can later be combined to reconstruct the secret. The fundamental techniques cryptocurrencies, as used in Bitcoin and blockchain. The basics of the new methods employed in messaging protocols such as Signal, including deniability and Diffie-Hellman key ratcheting.