

Airport Engineering Text By Arora

Surveying (Volume - 1) Soil Mechanics And Foundation Engineering (geotechnical Engineering).
7/e A Text Book of Calculus Refrigeration and Air Conditioning Introduction to Optimum Design
Office Organisation And Management Computational Complexity *Introduction to Optimum*
Design **Genre - text - interpretation Reading Religion in Text and Context** *Introduction to*
Optimum Design Cost Accounting: Principles & Practice, 13th Edition Rising Threats in Expert
Applications and Solutions Biology of Rotifers *Physics for Degree Students B.Sc.First Year Banking*
Law **Mathematical Analysis Index-catalogue of Medical and Veterinary Zoology** *Index-*
catalogue of Medical and Veterinary Zoology **Railway Engineering** *Scaled Pearson's Correlation*
Coefficient for Evaluating Text Similarity Measures A Textbook of Cost and Management
Accounting, 11th Edition **Soil Mechanics and Foundations** **Proceedings of 3rd International**
Conference on Computing Informatics and Networks **Health and Religious Rituals in South**
Asia Fluid Mechanics, Hydraulics And Hydraulic Machines *When the Heavens Smiled* Books in Print
Hindu Places of Pilgrimage in India **Informatics Practices for Class 11** **Green Materials for**
Energy, Products and Depollution **High Voltage and Electrical Insulation Engineering** The
Indian Journal of Medical Research **International Conference on Innovative Computing and**
Communications Practical Microbiology *Optimization Shaping the Industrial Century* Bullying
Race and Ethnicity in Education *Secrets in the City*

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Introduction to Optimum Design Dec 24 2021 Optimization is a mathematical tool developed in the early 1960's used to find the most efficient and feasible solutions to an engineering problem. It can be used to find ideal shapes and physical configurations, ideal structural designs, maximum energy efficiency, and many other desired goals of engineering. This book is intended for use in a first course on engineering design and optimization. Material for the text has evolved over a period of several years and is based on classroom presentations for an undergraduate core course on the principles of design. Virtually any problem for which certain parameters need to be determined to satisfy constraints can be formulated as a design optimization problem. The concepts and methods described in the text are quite general and applicable to all such formulations. Inasmuch, the range of application of the optimum design methodology is almost limitless, constrained only by the

imagination and ingenuity of the user. The book describes the basic concepts and techniques with only a few simple applications. Once they are clearly understood, they can be applied to many other advanced applications that are discussed in the text. * Allows engineers involved in the design process to adapt optimum design concepts in their work using the material in the text. * Basic concepts of optimality conditions and numerical methods are described with simple examples, making the material high teachable and learnable. * Classroom-tested for many years to attain optimum pedagogical effectiveness.

Surveying (Volume - 1) Nov 03 2022 □ABOUT THE BOOK: The basic aim of the seventeenth edition of Surveying, Volume-I, is the same as that of the earlier editions, namely, to present the fundamentals of the subject in a simplified manner and to illustrate the basic concepts in a simple and lucid language so that even a beginner can understand it. A large number of worked examples and figures have been given to illustrate the basic theories. The subject matter has been revised wherever necessary to make some of the basic concepts more clear and understandable. A few new problems and examples have been added. Some of the old figures have been replaced by new ones. Either colored plates of the surveying instruments have been added as an appendix. These plates and figures are useful for making the subject matter more illustrative. □OUTSTANDING FEATURES: -E.D.M., Total Station & G.P.S. are included separately -All the text has been explained in a simple, lucid language -SI Units used in the entire book -This book will be useful for Degree/Diploma/A.M.I.E. students and equally useful to the field engineers and surveyors -Number of problems have been solved in details -Subject matter is supported by very good diagrams -Either colored plates of the surveying instruments have been added as an appendix.

□RECOMMENDATIONS: A textbook for all Engineering Branches, Competitive Examination, ICS,

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and AMIE Examinations □ABOUT THE AUTHOR: Dr. K.R. ARORA B.E. (Civil), M.E. (Hons), Ph.D (I.I.T. Delhi) Professor and former Head, Department of Civil Engineering, Engineering College, Kota (Rajasthan). □BOOK DETAILS: ISBN : 978-81-89401-23-8 Pages: 690 + 16 Edition:17th, Year -2019 Size(cms): L-24.2 B-18.2 H-2.8 □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

When the Heavens Smiled Aug 08 2020 Sarthak Arora is a good looking and intelligent engineering graduate from Delhi who has recently bagged a high paying job with an IT company in Kolkata. Sarangi Sen is a beautiful, vivacious Bengali girl working as a front office manager at The Grand Vilas, a luxury hotel in Kolkata. Opposites in every way, the attraction is instant and mutual; so is their falling in love, though it remains unprofessed for long. When things seem to be falling on track, like a bolt from the blue, Sarangi is diagnosed with a medical condition that leaves her with only three months to live. With no visible solution at hand, nothing but fate seems to be holding power. Would Sarthak be able to alter Sarangi's destiny and save his love? Or would he let Sarangi succumb to the design of the mighty invisible script of fate? *When the Heavens Smiled* is a heart-stopping spiritual, heroic, tender and intense love story that will open up your mind to new and uncharted realms of life.

Office Organisation And Management May 29 2022 This book has been thoroughly revised in view of the changes in the syllabi of various universities and Professional institutes in the country and abroad. Many new features have been added, including a separate chapter on □Security□. The

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present study deals with various facets of management and organization in the light of growing need for information in business organizations. Besides throwing light on the basic principles and functions of management, it further highlights the managerial functions of planning, communication and control in the light of their applicability in the area of office management. The salient feature of book is that, while discussing the subject-matter, author has tried to provide the latest information about different types of office machines and equipments which are usable in business organizations and are easily available in the country. A Section on personnel management has also been given for those professional managers who take management as human relations. This book will serve as a textbook for degree, post degree. Institute of Company Secretaries and I.C.W.A. The text will also be a useful source of information for office managers.

A Text Book of Calculus Sep 01 2022

Green Materials for Energy, Products and Depollution Apr 03 2020 Using renewable fuels and materials, drinking clean water and food, and breathing safe air are major issues for a sustainable world. This book reviews biodiesel production from microalgae, a promising energy source that does not compete with food production. Several advanced techniques to clean polluted waters, such as electrochemistry, ferrites photocatalysis and low-cost filtration are presented. Chapters also show various living organisms used as bioindicators of toxic metals. Decreasing ecotoxicity of pesticides using suitable surfactants is reviewed. The last chapter evidences new pollutants in urban soils, halogenated polycyclic aromatic hydrocarbons.

Informatics Practices for Class 11 May 05 2020 A book on Computers

Optimization Oct 29 2019 Choose the Correct Solution Method for Your Optimization

ProblemOptimization: Algorithms and Applications presents a variety of solution techniques for

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optimization problems, emphasizing concepts rather than rigorous mathematical details and proofs. The book covers both gradient and stochastic methods as solution techniques for unconstrained and co

Shaping the Industrial Century Sep 28 2019 The dean of business historians continues his masterful chronicle of the transforming revolutions of the twentieth century begun in *Inventing the Electronic Century*. Alfred Chandler argues that only with consistent attention to research and development and an emphasis on long-term corporate strategies could firms remain successful over time. He details these processes for nearly every major chemical and pharmaceutical firm, demonstrating why some companies forged ahead while others failed. By the end of World War II, the chemical and pharmaceutical industries were transformed by the commercializing of new learning, the petrochemical and the antibiotic revolutions. But by the 1970s, chemical science was no longer providing the new learning necessary to commercialize more products, although new directions flourished in the pharmaceutical industries. In the 1980s, major drug companies, including Eli Lilly, Merck, and Schering Plough, commercialized the first biotechnology products, and as the twenty-first century began, the infrastructure of this biotechnology revolution was comparable to that of the second industrial revolution just before World War I and the information revolution of the 1960s. *Shaping the Industrial Century* is a major contribution to our understanding of the most dynamic industries of the modern era.

Hindu Places of Pilgrimage in India Jun 05 2020 "Dr. Bhardwaj's in-depth study of the various aspects of the institution of pilgrimage shows that instead of being a simple practice it has been a gigantic phenomenon affecting all aspects of Indian life. . . integrating diverse forces, various cults, and numerous traditions over the ages."--Asian Student "This is the best general survey of a major

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religion's total pilgrimage system and the best intensive investigation of one of its subsystems. . . . Dr. Bhardwaj's book is an important step towards the recognition of a social phenomenon which has for millennia played a crucial role in the integration of religions, nationalities, and international communities. And, not least importantly, it is highly readable."--Journal of the American Academy of Religion "Detailed, accurate, and generally informative; he has succeeded in tracing, for the first time, the relationship of the rank-order or 'level' of a sacred place. . . to its degree of sanctity, type of deity, and caste and motivation of the pilgrim. . . .The implications of Mr. Bhardwaj's study are profound and necessary to the understanding of Indian religion. . . it is fascinating."--Times Literary Supplement "Here is a fine example of what the geographic study of India needs: disciplined work that shows full awareness of Indian cultural meanings. . . .it sets a worth standard."--Professional Geographer

Mathematical Analysis Jun 17 2021 The Book Is Intended To Serve As A Text In Analysis By The Honours And Post-Graduate Students Of The Various Universities. Professional Or Those Preparing For Competitive Examinations Will Also Find This Book Useful.The Book Discusses The Theory From Its Very Beginning. The Foundations Have Been Laid Very Carefully And The Treatment Is Rigorous And On Modern Lines. It Opens With A Brief Outline Of The Essential Properties Of Rational Numbers And Using Dedekind's Cut, The Properties Of Real Numbers Are Established. This Foundation Supports The Subsequent Chapters: Topological Framework Real Sequences And Series, Continuity Differentiation, Functions Of Several Variables, Elementary And Implicit Functions, Riemann And Riemann-Stieltjes Integrals, Lebesgue Integrals, Surface, Double And Triple Integrals Are Discussed In Detail. Uniform Convergence, Power Series, Fourier Series, Improper Integrals Have Been Presented In As Simple And Lucid Manner As Possible And Fairly Large

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Number Solved Examples To Illustrate Various Types Have Been Introduced. As Per Need, In The Present Set Up, A Chapter On Metric Spaces Discussing Completeness, Compactness And Connectedness Of The Spaces Has Been Added. Finally Two Appendices Discussing Beta-Gamma Functions, And Cantors Theory Of Real Numbers Add Glory To The Contents Of The Book.

Biology of Rotifers Sep 20 2021 Since the two previous rotifer symposia in Lunz and Gent were highly successful, it was considered important to continue the tradition every third year. Thus a third rotifer symposium was held in Uppsala, Sweden, Aug. 30-Sept. 4, 1982. In the beginning of 1981 the first circular was mailed to the participants of the previous symposia, who in turn were requested to suggest names of other scientists to be invited. As a result many people expressed interest, about 70 of whom finally participated in the symposium (not including temporary visitors from nearby). The participants represented 22 countries, in Europe, North America, Asia and Australia. As with the earlier symposia, some subjects were selected in advance, mainly during discussions between Henri Dumont, Birger Pejler and Peter Starkweather when they met at the SIL congress in Kyoto 1980. Some broad topics such as 'Marine rotifers' were covered for the first time, while other topics were continuations, though more specialized, of previous themes. Thus it is interesting to follow, through the three symposium volumes, recent development within the areas of feeding, population dynamics and ultrastructure. Each prospective participant (with the exception of the reviewers) was invited to present one short paper (alone or with collaborators), which resulted in more than 40 such contributions. Thus, the week's schedule became very crowded, unfortunately leaving no time for more comprehensive workshops etc. However, during the evenings general discussions were held on the topics presented during the day.

Reading Religion in Text and Context Jan 25 2022 To what extent is religion inherently textual?

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What might the term 'textual' mean in relation to religious faith and practice? These are the two key questions addressed by the eleven thought-provoking essays collected in this volume. Accounts of the content and structure of sacred texts are commonplace. The rather more adventurous aim of this book is to disclose (within the context of religion) the various ways in which meaning can be read of more or less obviously sacred writing and from discourses such as the body, the built and natural environment, drama and ritual.

Books in Print Jul 07 2020

Banking Law Jul 19 2021 Exploring all aspects of domestic, European and international laws and regulation, Banking Law is essential reading for students and practitioners alike. From examining the academic debates, policy considerations and practical influences underpinning the regulations, this text offers you a truly socio-economic and contextual approach to a subject which impacts on the daily lives of people worldwide.

Secrets in the City Jun 25 2019 “Keep singing,” she yelled at her friends as everyone watched aghast. The pop stars obeyed her and continued the song. Holly grabbed Sorrel’s guitar and broke into chorus. The Roberts family led totally normal lives in the most luxurious city in the country until they met Sorrel, one of the most famous pop stars in the city who seems to have gained superpowers. When things start going wrong, it looks like the city is in massive trouble and may fall apart. Numerous kidnappings, thefts, and disasters take place, and Sorrel is in big trouble with the Queen. When the Queen doesn’t take any action against the ongoing happenings, it’s up to Sorrel and the Roberts sisters to stop the disaster and make the city safe once more. Secrets are found and confessions are made... but one secret could ruin everything... that one secret that Sorrel meant to keep safe...

Index-catalogue of Medical and Veterinary Zoology Apr 15 2021

Index-catalogue of Medical and Veterinary Zoology May 17 2021

Cost Accounting: Principles & Practice, 13th Edition Nov 22 2021 A UGC recommended textbook for various commerce undergraduate programmes like BCom, BBA, BBM and BBS. Also useful for CA, CS, ICMA, MCom and MBA. The revised edition of Cost Accounting: Principles and Practice gives students a thorough grounding in cost concepts, cost behaviour and costing methods. The subject matter has been presented in a student-friendly, systematic and intelligible manner. Every discussion involving conceptual difficulties is immediately followed by a numerical example. A large number of charts and diagrams bring to light finer points of the subject and make it easily comprehensible. The subject matter has been organized on 'first things first' basis to sustain the interest of the students. An authentic book on Cost Accounting, which is indispensable for students at the undergraduate level New in this Edition □ Reworked text for better understanding of the concepts □ Recent questions from BCom, BBA, MBA, CA and CS examinations □ Model test papers in Appendix

Physics for Degree Students B.Sc.First Year Aug 20 2021 For B.Sc I yr students as per the new syllabus of UGC curriculum for all Indian Universities. The present book has two sections. Section I covers 1 which includes chapters on Mechanics, oscillations and Properties of Matter. Section II covers course 2 which includes chapters on Electricity, Magnetism and Electromagnetic theory.

A Textbook of Cost and Management Accounting, 11th Edition Jan 13 2021 A Textbook of Cost and Management Accounting provides the students with thorough grounding in cost concepts, cost behaviour and methods, and techniques of cost and management accounting with an understanding of the uses and limitations of cost and financial data for managerial operations. The text of the

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subject matter has been presented in a student-friendly, simple and intelligible manner. Every discussion involving conceptual complexity is immediately illustrated by a numerical example. In addition, the book contains a liberal sprinkling of charts and diagrams so as to make the subject easily understandable and highlight its finer points. The subject matter has been organized on 'first things first' basis for its logical presentation that sustains interest. The approach of the book is examination oriented. Thus, a good number of problems and solutions have been included in its chapters. Theoretical and numerical questions have been mostly selected from various examinations. Objective type questions have been given to serve as self-test by students. This is an ideal book for self-study. An all-inclusive, ideal book for self-study, both for the students of Cost and Management Accounting as well as working professionals.

Computational Complexity Apr 27 2022 New and classical results in computational complexity, including interactive proofs, PCP, derandomization, and quantum computation. Ideal for graduate students.

Scaled Pearson's Correlation Coefficient for Evaluating Text Similarity Measures Feb 11 2021

Despite the ever-increasing interest in the field of text similarity methods, the development of adequate text similarity methods is lagging. Some methods are decent in entailment while others are reasonable to the degree to which two texts are similar. Very often, these methods are compared using Pearson's correlation; however, Pearson's correlation is bound to outliers that could affect the final correlation coefficient figure. As a result, the Pearson correlation is inadequate to find which text similarity method is better in situations where data items are very similar or are unrelated. This paper borrows the scaled Pearson correlation from the finance domain and builds a metric that can evaluate the performance of similarity methods over cross-sectional datasets. Results showed that

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the new metric is fine-grained with the benchmark dataset scores range as a promising alternative to Pearson's correlation. Moreover, extrinsic results from the application of the System Usability Scale (SUS) questionnaire on the scaled Pearson correlation revealed that the proposed metric is attaining attention from scholars which implicate its usage in the academia.

Introduction to Optimum Design Mar 27 2022 Introduction to Optimum Design, Fourth Edition, carries on the tradition of the most widely used textbook in engineering optimization and optimum design courses. It is intended for use in a first course on engineering design and optimization at the undergraduate or graduate level in engineering departments of all disciplines, with a primary focus on mechanical, aerospace, and civil engineering courses. Through a basic and organized approach, the text describes engineering design optimization in a rigorous, yet simplified manner, illustrates various concepts and procedures with simple examples, and demonstrates their applicability to engineering design problems. Formulation of a design problem as an optimization problem is emphasized and illustrated throughout the text using Excel and MATLAB as learning and teaching aids. This fourth edition has been reorganized, rewritten in parts, and enhanced with new material, making the book even more appealing to instructors regardless of course level. Includes basic concepts of optimality conditions and numerical methods that are described with simple and practical examples, making the material highly teachable and learnable Presents applications of optimization methods for structural, mechanical, aerospace, and industrial engineering problems Provides practical design examples that introduce students to the use of optimization methods early in the book Contains chapter on several advanced optimum design topics that serve the needs of instructors who teach more advanced courses

Health and Religious Rituals in South Asia Oct 10 2020 Drawing on original fieldwork, this book

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develops a fresh methodological approach to the study of indigenous understandings of disease as possession, and looks at healing rituals in different South Asian cultural contexts. Contributors discuss the meaning of 'disease', 'possession' and 'healing' in relation to South Asian religions, including Hinduism, Islam, Buddhism and Sikhism, and how South Asians deal with the divine in order to negotiate health and wellbeing. The book goes on to look at goddesses, gods and spirits as a cause and remedy of a variety of diseases, a study that has proved significant to the ethics and politics of responding to health issues. It contributes to a consolidation and promotion of indigenous ways as a method of understanding physical and mental imbalances through diverse conceptions of the divine. Chapters offer a fascinating overview of healing rituals in South Asia and provide a full-length, sustained discussion of the interface between religion, ritual, and folklore. The book presents a fresh insight into studies of Asian Religion and the History of Medicine.

Proceedings of 3rd International Conference on Computing Informatics and Networks Nov 10 2020 This book is a collection of high-quality peer-reviewed research papers presented in the Third International Conference on Computing Informatics and Networks (ICCIN 2020) organized by the Department of Computer Science and Engineering (CSE), Bhagwan Parshuram Institute of Technology (BPIT), Delhi, India, during 29-30 July 2020. The book discusses a wide variety of industrial, engineering and scientific applications of the emerging techniques. Researchers from academic and industry present their original work and exchange ideas, information, techniques and applications in the field of artificial intelligence, expert systems, software engineering, networking, machine learning, natural language processing and high-performance computing.

Railway Engineering Mar 15 2021 Railway Engineering has been specially designed for undergraduate students of civil engineering. From fundamental topics to modern technological

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developments, the book covers all aspects of the railways including various modernization plans covering tracks, locomotives, and rolling stock. Important statistical data about the Indian Railways and other useful information have also been incorporated to make the coverage comprehensive. A number of illustrative examples supplement text to aid easy understanding of design methods discussed. The book should also serve the need of students of polytechnics and those appearing of the AMIE examination and would also be a ready reference for railway professionals.

International Conference on Innovative Computing and Communications Jan 01 2020 This book includes high-quality research papers presented at the Fourth International Conference on Innovative Computing and Communication (ICICC 2021), which is held at the Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India, on February 20-21, 2021. Introducing the innovative works of scientists, professors, research scholars, students and industrial experts in the field of computing and communication, the book promotes the transformation of fundamental research into institutional and industrialized research and the conversion of applied exploration into real-time applications.

Bullying Aug 27 2019 Bullying: Effective Strategies for Long Term Improvement tackles the sensitive issue of bullying in schools and offers practical guidance on how to deal successfully with the issue in the long term. The authors examine how bullying begins, the impact of bullying on the victimised child, and how the extent of bullying in schools can be reliably measured and assessed. They go on to explain how to set up anti-bullying initiatives which will maintain their effectiveness over the years. The complexity of the bullying process is emphasised throughout, but care is taken to outline clearly the actions that can be taken which will substantially reduce bullying in the long term. The book is an outcome of over 10 years research into bullying. The authors draw on their own

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major studies and international research to provide real workable solutions to the problem of bullying, which are illustrated by case study examples throughout. The book is essential reading for school managers, teachers, student teachers and researchers determined to tackle the issues of bullying head on.

Race and Ethnicity in Education Jul 27 2019 This publication is primarily intended for teachers, student teachers and for staff in teacher training institutions. It will also be of use to staff in further, higher and adult education. It is primarily about issues of race and ethnicity in education and includes an examination of the relationship between policies and practices concerned with equal opportunities, both in schools and in teacher training institutions. The central theme of this book is the preparation of all teachers, through initial teacher training, to implement equal opportunities in schools and to provide education for a positively diverse society. A secondary theme is that of the recruitment, training and employment of minority ethnic teachers in British educational institutions. The organization of this book allows the author to address the two central issues, as identified above, in the context of policies and practices as they have developed over the last two decades. It begins with a discussion about equality in the context of issues of quality, followed by a discussion of race and education in its historical context. It includes a historical and contemporary review of issues concerned with two major aspects of teacher education in relation to ethnic minorities. Recent developments in initial teacher education and issues of partnership with schools are explored with a view to identifying the needs of schools. The book ends with an in-depth discussion of equality assurance in education and offers a framework for permeation as well as an agenda for action for all concerned with education.

Fluid Mechanics, Hydraulics And Hydraulic Machines Sep 08 2020 In the book a large number of

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problems from the Examination paper of London University, Institution of Mechanical Engineers (London) Institution of Engineers (India) Union Public Service Commission (India) and Various Indian Universities have been included. CONTENTS : Part- I : Properties of Fluids * Pressure Measurement * Hydrostatic Forces on Surfaces * Buoyancy and Floating * Fluid Masses in Relative Equilibrium * Kinematics of Fluid Flow * Dynamics of Fluid Flow * Flow Measurement * Flow Through Orifices and Mouth Pieces * Flow over Notches and Weirs * Fundamentals of Flow Through Pipes * Fundamentals of Flow through Open Channels * Flow of Compressible Fluids Part-II : Advance Topics In Fluid Mechanics And Hydraulics : Dimensional Analysis * Hydraulic Similitude * Laminar Flow * Turbulent Flow Through Pipes * Boundary Layer Theory * Flow Around Immersed Bodies * Uniform Flow in Open Channels * Non Uniform Flow in Open Channels Part- III : Hydraulics Machines : Impacts of Free Jets * Hydraulic Turbines * Governing and Performance of Hydraulic Turbines * Reciprocating Pumps * Centrifugal Pumps * Miscellaneous Hydraulic Devices and Machines Part-IV : Iscellaneous Topics : Fluvial Hydraulics * Elementary Hydrodynamics * Water Power Engineering * Laboratory Experiments Part-V : Appendices : Appendix A : Miscellaneous Objective Type Questions * Appendix B : Cavitation * Appendix C : Geometrical Properties of Plane Areas * Appendix D : secondary Flow * Appendix E : Use Vector Notations * Appendix F : Computer Programmes * Reference * Index.

Soil Mechanics and Foundations Dec 12 2020

Practical Microbiology Nov 30 2019 This is the thoroughly revised and updated edition which aims to keep pace with the rapidly increasing information in medical sciences. The text is presented in a simple and lucid manner. It is illustrated with eight colour plates containing 52 figures, computer-drawn figures and photomicrographs. These make the book colourful and the readers can have a

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better understanding. The book has been divided into eight sections that include: * General bacteriology. * Serology/immunology. * Parasitology. * Systemic bacteriology. * Mycology. * Virology. * Recent advances * Spots. Each practical exercise ends with important questions and their answers which will help the student in preparing for theory, practical and viva voce examinations.

Refrigeration and Air Conditioning Jul 31 2022 The text begins by reviewing, in a simple and precise manner, the physical principles of three pillars of Refrigeration and Air Conditioning, namely thermodynamics, heat transfer, and fluid mechanics. Following an overview of the history of refrigeration, subsequent chapters provide exhaustive coverage of the principles, applications and design of several types of refrigeration systems and their associated components such as compressors, condensers, evaporators, and expansion devices. Refrigerants too, are studied elaboratively in an exclusive chapter. The second part of the book, beginning with the historical background of air conditioning in Chapter 15, discusses the subject of psychrometrics being at the heart of understanding the design and implementation of air conditioning processes and systems, which are subsequently dealt with in Chapters 16 to 23. It also explains the design practices followed for cooling and heating load calculations. Each chapter contains several worked-out examples that clarify the material discussed and illustrate the use of basic principles in engineering applications. Each chapter also ends with a set of few review questions to serve as revision of the material learned.

High Voltage and Electrical Insulation Engineering Mar 03 2020 High Voltage and Electrical Insulation Engineering A comprehensive graduate-level textbook on high voltage insulation engineering, updated to reflect emerging trends and techniques in the field High Voltage and Electrical Insulation Engineering presents systematic coverage of the behavior of dielectric

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materials. This classic textbook opens with clear explanations of fundamental terminology, electric-field classification, and field estimation techniques. Subsequent chapters describe the field dependent performance of gaseous, vacuum, liquid, and solid dielectrics under different classified field conditions, and illustrate the monitoring of electrical insulation conditions by both single and continuous online methods. Throughout the text, numerous tables, figures, diagrams, and images are provided to strengthen understanding of all material. Fully revised to incorporate the most current technological application techniques, the second edition offers an entirely new section on condition monitoring of electrical insulation. Updated chapters discuss recent developments in gas-filled power apparatus, present-day trends in the use replacement of liquid insulating materials, the latest applications of new solid dielectrics in high voltage engineering, vacuum technology and liquid insulating materials, and more. This edition features a brand-new case study exploring the estimation of clearance requirements for 25 kV electric traction. Readers will also find the new edition: Provides new coverage of advances in the field, such as the application of polymer insulators and the use of SF₆ gas and its mixtures in gas-insulated systems/substations (GIS) Uses a novel approach that explores the field dependent behavior of dielectrics Explains the “weakly nonuniform field,” a unique concept introduced both conceptually and analytically in Germany A separate chapter provides the new approach to the mechanism of lightning phenomenon, which also includes the phenomenon of “Ball Lightning” The dielectric properties of vacuum and the development in the application of vacuum technology in power circuit breakers is covered in an exclusive chapter In-depth coverage of the performance of the sulphur-hexafluoride gas and its mixtures applicable to the design of Gas Insulated Systems including dry power transformers High Voltage and Electrical Insulation Engineering, Second Edition, remains the perfect textbook for graduate students,

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teachers, academic researchers, and utility and power industry engineers and scientists involved in the field.

Introduction to Optimum Design Jun 29 2022 Introduction to Optimum Design, Third Edition describes an organized approach to engineering design optimization in a rigorous yet simplified manner. It illustrates various concepts and procedures with simple examples and demonstrates their applicability to engineering design problems. Formulation of a design problem as an optimization problem is emphasized and illustrated throughout the text. Excel and MATLAB® are featured as learning and teaching aids. Basic concepts of optimality conditions and numerical methods are described with simple and practical examples, making the material highly teachable and learnable. Includes applications of optimization methods for structural, mechanical, aerospace, and industrial engineering problems. Introduction to MATLAB Optimization Toolbox Practical design examples introduce students to the use of optimization methods early in the book. New example problems throughout the text are enhanced with detailed illustrations. Optimum design with Excel Solver has been expanded into a full chapter. New chapter on several advanced optimum design topics serves the needs of instructors who teach more advanced courses.

The Indian Journal of Medical Research Jan 31 2020

Rising Threats in Expert Applications and Solutions Oct 22 2021 This book presents high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2020, held at IIS University Jaipur, Rajasthan, India, on January 17-19, 2020. Featuring innovative ideas from researchers, academics, industry professionals and students, the book covers a variety of topics, including expert applications and artificial intelligence/machine learning; advanced web technologies, like IoT, big data, and cloud computing in expert applications;

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information and cybersecurity threats and solutions; multimedia applications in forensics, security and intelligence; advances in app development; management practices for expert applications; and social and ethical aspects of expert applications in applied sciences.

Genre - text - interpretation Feb 23 2022 This book presents current discussions on the concept of genre. It introduces innovative, multidisciplinary approaches to contemporary and historical genres, their roles in cultural discourse, how they change, and their relations to each other. The reader is guided into the discussion surrounding this key concept and its history through a general introduction, followed by eighteen chapters that represent a variety of discursive practices as well as analytic methods from several scholarly traditions. This volume will have wide appeal to several academic audiences within the humanities, both in Finland and abroad, and will especially be of interest to scholars of folklore, language and cultural expression.

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