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KEY=SOLVED - COWAN RISHI

CLIENT SIDE SCRIPTING

Technical Publications JavaScript is an important scripting language for almost every modern web application. It is simple for beginners but complex when you build a full-scale application. The book is extremely user-friendly. It assumes no programming experience and helps the students to learn the JavaScript in step by step manner with the help of illustrative examples. The first two units cover the fundamental concepts of JavaScript such as variables, operators, control structures, arrays, functions and strings. In the third unit, the concept of form and event handling is discussed. This feature of JavaScript help us to design the interactive web page with graphical user interface. In the next subsequent chapter, the book demonstrates how to create and manage cookies, how to create browser history, implementation of form validation with the help of regular expressions, creating rollover effects and creating and handling frames. At the end, the book illustrates creation of banner, management of status bar and creation of slideshows using JavaScript. This book serves the purpose of teaching JavaScript in the simplest and easiest manner.

MATHEMATICS FOR MACHINE LEARNING

Cambridge University Press The fundamental mathematical tools needed to understand machine learning include linear algebra, analytic geometry, matrix decompositions, vector calculus, optimization, probability and statistics. These topics are traditionally taught in disparate courses, making it hard for data science or computer science students, or professionals, to efficiently learn the mathematics. This self-contained textbook bridges the gap between mathematical and machine learning texts, introducing the mathematical concepts with a minimum of prerequisites. It uses these concepts to derive four central machine learning methods: linear regression, principal component analysis, Gaussian mixture models and support vector machines. For students and others with a mathematical background, these derivations provide a starting point to machine learning texts. For those learning the mathematics for the first time, the methods help build intuition and practical experience with applying mathematical concepts. Every chapter includes worked examples and exercises to test understanding. Programming tutorials are offered on the book's web site.

MCQS IN COMPUTER SCIENCE

Pallav Thareja, Reema Thareja The book has more than 2100 questions and will be useful for all Competitive Exams. The book covers Computer Fundamental concepts with a variety of Multiple Choice Questions (with answers), True or False Questions and a number of Solved Papers. Broad topics covered include: Chapter 1: Introduction to Computer (Hardware, Software, I/O Devices, Memory, CPU, Types of Computers, Programming Languages) Chapter 2: GUI Based Operating Systems Chapter 3: Data Organization and Database Management System Chapter 4: Internet, WWW and Web Browsers Chapter 5: Communication and Collaboration Chapter 6: Application of Digital Financial Services Chapter 7: IT and its Applications in Business Chapter 8: Data Security and Encryption Chapter 9: Elements of Word Processing Chapter 10: Spread Sheet Chapter 11: MS PowerPoint Chapter 12: MS Access Solved Paper 1 Solved Paper 2 Solved Paper 3 Solved Paper 4 Solved Paper 5 Solved Paper 6 Solved Paper 7 Solved Paper 8 Solved Paper 9 The book is enriched with illustrative diagrams, keywords and topic highlights. Also covers information on latest technologies like Iot, Big Data, Artificial Intelligence, Knowledge Management, Data Warehousing.

CHAPTERWISE LAST YEARS SOLVED PAPERS: CBSE CLASS 10 FOR 2022 EXAMINATION

Gurukul Books & Packaging Score and Perform Well for your Class 10 CBSE Board Examinations (2022) with the help of our Chapterwise Last Years Solved Papers consisting of 4 subjects including, English(Language & Literature), Mathematics, Science, and Social Science. Our handbook will help you study well at home. How can you benefit from Gurukul CBSE Chapterwise Last Years Solved Papers

for 10th Class? Our Comprehensive Handbook Includes questions segregated chapter wise which enable Class 10 CBSE students' to concentrate properly on one chapter at a time. It is strictly based on the latest syllabus prescribed by the Board for in-depth preparation of 2022 Board Examinations. 1. Solved Board Exam Paper 2020 2. Last Year's Board Questions Chapterwise 3. Toppers Sheets (2019- 2018) to understand the criteria of Boards Marking Scheme 4. Multiple Subject Papers in one book 5. Answers Provided in accordance with the Board Marking Scheme 6. Get accustomed with the question types and structures, which allows to cultivate more efficient answering methods 7. Consists of numerous tips and tools to improve study techniques for any exam paper Students can create vision boards to establish study schedules, and maintain study logs to measure their progress. Our Guidebook can also help in providing a comprehensive overview of important topics in each subject, making it easier for students to prepare for the exams.

ADVANCED JAVA

Technical Publications Advanced Java is a textbook specially designed for undergraduate and post graduate students of Computer Science. It focuses on developing the applications both at basic and moderate level. This text book is divided into seven units. The first unit introduces Java network programming. In this unit along with the basic concepts of networking, the programming using Sockets, InetAddress, URL and URLConnection class is discussed in a lucid manner. The second unit is based on JDBC programming. In this unit, connecting with the database is discussed with examples and illustrations. Then next two chapters focuses on server side programming by means of Servlet programming and JSP. In third unit, the illustration of how to create and execute servlets is given. Then the concept of cookies and session management is discussed. In the next subsequent unit the Java Server Pages - its overview and programming is studied. In the last three units the advanced concepts of Java programming such as JSF, Hibernate and Java Web Framework : Spring is discussed. The contents of this textbook is supported with numerous illustrations, examples, program codes, and screenshots. With its lucid presentation and inclusion of numerous examples the book will be very useful for the readers.

DRUG STORE AND BUSINESS MANAGEMENT

CBS Confident Pharmacy The third edition of this popular and textbook in drug store and business management includes questions from papers in recent examinations. It has been written to meet the requirements of students working towards a diploma in pharmacy. Written in a easy to understand language, it attempts to demystify and simplify the basic concepts in order for students to fully understand the subject and ensure success in their examinations.

BASICS OF ENVIRONMENTAL SCIENCE

Routledge The new edition of this popular student text offers an engaging introduction to environmental study. It covers the entire breadth of the environmental sciences, providing concise, non-technical explanations of physical processes and systems and the effects of human activities. In this second edition the scientific background to major environmental issues is clearly explained. These include: * global warming * genetically modified foods * desertification * acid rain * deforestation * human population growth * depleting resources * nuclear power generation * descriptions of the 10 major biomes. Special student text features include illustrations and explanatory diagrams, boxed case studies, concepts and definitions.

TEXTBOOK OF ENVIRONMENTAL STUDIES FOR UNDERGRADUATE COURSES

Universities Press The Importance Of Environmental Studies Cannot Be Disputed Since The Need For Sustainable Development Is A Key To The Future Of Mankind. Recognising This, The Honourable Supreme Court Of India Directed The Ugc To Introduce A Basic Course On Environmental Education For Undergraduate Courses In All Disciplines, To Be Implemented By Every University In The Country. Accordingly, The Ugc Constituted An Expert Committee To Formulate A Six-Month Core Module Syllabus For Environmental Studies. This Textbook Is The Outcome Of The Ugc S Efforts And Has Been Prepared As Per The Syllabus. It Is Designed To Bring About An Awareness On A Variety Of Environmental Concerns. It Attempts To Create A Pro-Environmental Attitude And A Behavioural Pattern In Society That Is Based On Creating Sustainable Lifestyles And A New Ethic Towards Conservation. This Textbook Stresses On A Balanced View Of Issues That Affect Our Daily Lives. These Issues Are Related To The Conflict Between Existing `Development Strategies And The Need For `Conservation . It Not Only Makes The Student Better Informed On These Concerns, But Is Expected To Lead The Student Towards Positive Action To Improve The Environment. Based On A Multidisciplinary Approach That Brings About An Appreciation Of The Natural World And Human Impact On Its Integrity, This Textbook Seeks Practical Answers To Make Human Civilization Sustainable On The Earth S Finite Resources. Attractively Priced At Rupees One Hundred And Fifteen Only, This Textbook Covers The Syllabus As Structured By The Ugc, Divided Into 8 Units And 50 Lectures. The First 7 Units, Which Cover 45 Lectures Are Classroom Teaching-Based, And Enhance Knowledge Skills And Attitude To Environment. Unit 8 Is Based On Field Activities To Be Covered In 5 Lecture Hours And Would Provide Students With First Hand Knowledge On Various Local Environmental Issues.

WEB BASED APPLICATION DEVELOPMENT

Technical Publications This textbook has been written in such a way that the concepts are explained with the help of examples. The book covers the topics right from basics of PHP programming such as variables, data types, operators, control structures, arrays to graphics. The book also covers implementation of object oriented concepts such as classes, objects, inheritance, overloading and so on. In the next subsequent unit, the textbook covers creating and validating forms. Finally, the book explains how to connect to database using PHP and MySQL laying more stress on examples. Thus this book helps the students to learn the PHP programming in the most lucid way.

FUNDAMENTAL OF CHEMICAL ENGINEERING

SELECTED PAPERS FROM THE 2011 INTERNATIONAL CONFERENCE ON CHEMICAL ENGINEERING AND ADVANCED MATERIALS (CEAM 2011) 28-30 MAY, 2011, CHANGSHA, CHINA

ENGINEERING MATERIALS AND METALLURGY

S. Chand Publishing This treatise on Engineering Materials and Metallurgy contains comprehensive treatment of the matter in simple, lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way. The book comprises five chapters (excluding basic concepts) in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th Semester Mechanical, Production, Automobile Engineering and 2nd semester Mechanical disciplines of Anna University.

NOW EASY GRAMMAR AND COMPOSITION 3

Jeevandeep Prakashan Pvt Ltd

ACCA - F4 CORPORATE & BUSINESS LAW (RUSSIA) (FOR THE DECEMBER 2017 AND JUNE 2018 EXAMS)

Becker Professional Education Ltd Becker's F4 Corporate & Business Law (Russia) Revision Essentials Handbook is an A5 size Handbook designed as a 'quick-glance' revision tool. It includes: ACCA syllabus aim and main capabilities, core topics checklist, summary of essential facts and theory, further reading, relevant articles, comprehensive analysis of past examinations, examiners' feedback for the last exams session and exam techniques.

ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION

Electrical power transmission and distribution are an important area of electrical engineering. This book on electrical power transmission and distribution takes into account the layout, design and manufacture of components that form an electrical grid. There has been rapid progress in this field and its applications are finding their way across multiple industries. Contents included in this book aim to facilitate a comprehensive knowledge in the fields of electrical engineering and efficient electricity generation and consumption. This book is a vital tool for all researching or studying electricity transmission as it gives incredible insights into emerging trends and concepts. The readers would gain knowledge that would broaden their perspective about this field.

B. ARCH/NATA/JEE (MAIN) OFFLINE DRAWING TEST

Ramesh Publishing House This immensely valuable book of Previous Years' Solved and Unsolved Papers of Offline Drawing Test is specially published for the aspirants of NATA/JEE (Main Paper II) for admission to B.Arch Course. The book comprises numerous questions in several Solved Previous Years' Solved and Unsolved Papers which will prove extremely useful for you to be well acquainted with the current exam pattern, the type of questions asked, and their appropriate answers. Detailed Explanatory Answers have also been provided for selected questions for your Better Understanding along with Self Practice Sketches. The book will serve well both as practice material & a true test of your studies and preparation with actual exam questions. The book is highly recommended to improve your problem solving skills, speed and accuracy, and help you prepare well by practising through these papers' to face the exam with Confidence Successfully. While this exhaustive practice material in the form of Previous Years' Papers is published with the sole aim of Paving the Way to your Success, your own intelligent practice, in Harmony with this, will definitely ensure you a Seat in the Prestigious Course leading you to a Magnificent Career in Architecture.

INDUSTRIAL ENGINEERING AND QUALITY CONTROL COURSE CODE 22657

DISCRETE MATHEMATICS

AN OPEN INTRODUCTION

Note: This is the 3rd edition. If you need the 2nd edition for a course you are taking, it can be found as a "other format" on amazon, or by searching its isbn: 1534970746 This gentle introduction to discrete mathematics is written for first and second year math majors, especially those who intend to teach. The text began as a set of lecture notes for the discrete mathematics course at the University of Northern Colorado. This course serves both as an introduction to topics in discrete math and as the "introduction to proof" course for math majors. The course is usually taught with a large amount of student inquiry, and this text is written to help facilitate this. Four main topics are covered: counting, sequences, logic, and graph theory. Along the way proofs are introduced, including proofs by contradiction, proofs by induction, and combinatorial proofs. The book contains over 470 exercises, including 275 with solutions and over 100 with hints. There are also Investigate! activities throughout the text to support active, inquiry based learning. While there are many fine discrete math textbooks available, this text has the following advantages: It is written to be used in an inquiry rich course. It is written to be used in a course for future math teachers. It is open source, with low cost print editions and free electronic editions. This third edition brings improved exposition, a new section on trees, and a bunch of new and improved exercises. For a complete list of changes, and to view the free electronic version of the text, visit the book's website at discrete.openmathbooks.org

REFRIGERATION AND AIR CONDITIONING

ADVANCED SURVEYING: TOTAL STATION, GIS AND REMOTE SENSING

Lulu Press, Inc Modern Surveying is unimaginable without the use of electronic equipment and information technology. Surveying with conventional systems has been completely replaced with advanced automated systems. Total Station, Global Positioning System (GPS), Remote Sensing and Geographical Information System (GIS) have all become an inextricable part of surveying. Advanced Surveying: Total Station, GIS and Remote Sensing provides a thorough working knowledge of these technologies.

PROGRAMMING WITH JAVA - A PRIMER

THIRD EDITION

McGraw-Hill Professionals Programming with JAVA, 3e, incorporates all the updates and enhancements added to JAVA 2 and J2SE 5.0 releases. The book presents the language concepts in extremely simple and easy-to-understand style with illustrations and examples wherever necessary. Salient Features Fully explains the entire Java language. Discusses Java's unique features such as packages and interfaces. Shows how to create and implement applets. Illustrates the use of advanced concepts like multithread and graphics. Covers exception handling in depth. Debugging exercises and two full-fledged projects. Includes model questions from the Sun Certified JAVA Programmer Exam.

10 YEARS SOLVED PAPERS - SCIENCE

Oswal Printers & Publishers Pvt Limited Gurukul Books' New ISC Last 10 Years Solved Papers for Science Stream is strictly based on the latest ISC Curriculum and Examination Specifications for March 2019 exams. This comprehensive text enables Time Bound Practice of Previous Years Papers as per the new Marking Patterns. March 2017 Papers and Solutions included. Subjects included are English 1, English 2, Hindi, Physical Education, Mathematics, Computer Science, Physics, Chemistry and Biology. Year Wise papers with expert solutions for focused study will help students prepare well for the final exams.

PHARMACEUTICS

FOR FIRST YEAR DIPLOMA IN PHARMACY

CBS Confident Pharmacy The third edition of the now popular and successful book includes Board Question Papers 2010 to 2017. The book is written, presented and published to meet the requirements of students of diploma in pharmacy. Written in a lucid and simple language, it attempts to demystify and simplify the basic concepts for the students of pharmacy for proper understanding of the subject

and to get a sure success in the state board examinations.

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Nirali Prakashan

10 LAST YEARS SOLVED PAPERS (HSC) - SCIENCE

MAHARASHTRA BOARD CLASS 12 FOR 2020 EXAMINATION

Oswal Printers & Publishers Pvt Limited

CONTRACTS & ACCOUNTS (WBSCTE)

Vikas Publishing House This book has been written with total focus on meeting the objectives of the subject 'Contracts and Accounts' as given by the syllabus of WBSCTE. The text has been written so as to create interest in the minds of students in learning further.

LAST YEARS SOLVED PAPERS (SSC SEMI-ENGLISH MEDIUM): MAHARASHTRA BOARD CLASS 10 FOR 2022 EXAMINATION

Oswal Publishers

(SAMPLE) SSC JUNIOR ENGINEER CIVIL & STRUCTURAL RECRUITMENT EXAM GUIDE 3RD EDITION

Disha Publications SSC Junior Engineer Civil & Structural Engineering Recruitment Exam Guide This new edition adds 2 new papers of 2017 & 3 new chapters in the Technical Section - Building Materials, Estimating, Costing & Valuation & Environmental Engineering. The book is divided into 3 Units (Civil & Structural Engineering, General Intelligence & Reasoning and General Awareness) & 44 Chapters. All the chapters contain detailed theory along with solved examples. Exhaustive question bank at the end of each chapter is provided in the form of Exercise. Solutions to the Exercise have been provided at the end of each chapter. Solved Question paper of SSC Junior Engineer Civil & Structural 2017 (2 papers), 2016, 2015 & 2014 have been provided for students to understand the latest pattern and level of questions.

APPLIED ENGINEERING ANALYSIS

John Wiley & Sons Applied Engineering Analysis Tai-Ran Hsu, San Jose State University, USA A resource book applying mathematics to solve engineering problems Applied Engineering Analysis is a concise textbook which demonstrates how to apply mathematics to solve engineering problems. It begins with an overview of engineering analysis and an introduction to mathematical modeling, followed by vector calculus, matrices and linear algebra, and applications of first and second order differential equations. Fourier series and Laplace transform are also covered, along with partial differential equations, numerical solutions to nonlinear and differential equations and an introduction to finite element analysis. The book also covers statistics with applications to design and statistical process controls. Drawing on the author's extensive industry and teaching experience, spanning 40 years, the book takes a pedagogical approach and includes examples, case studies and end of chapter problems. It is also accompanied by a website hosting a solutions manual and PowerPoint slides for instructors. Key features: Strong emphasis on deriving equations, not just solving given equations, for the solution of engineering problems. Examples and problems of a practical nature with illustrations to enhance student's self-learning. Numerical methods and techniques, including finite element analysis. Includes coverage of statistical methods for probabilistic design analysis of structures and statistical process control (SPC). Applied Engineering Analysis is a resource book for engineering students and professionals to learn how to apply the mathematics experience and skills that they have already acquired to their engineering profession for innovation, problem solving, and decision making.

CONTINUUM MECHANICS FOR ENGINEERS

CRC Press A bestselling textbook in its first three editions, Continuum Mechanics for Engineers, Fourth Edition provides engineering students with a complete, concise, and accessible introduction to advanced engineering mechanics. It provides information that is useful in emerging engineering areas, such as micro-mechanics and biomechanics. Through a mastery of this volume's contents and additional rigorous finite element training, readers will develop the mechanics foundation necessary to skillfully use modern, advanced design tools. Features: Provides a basic, understandable approach to

the concepts, mathematics, and engineering applications of continuum mechanics Updated throughout, and adds a new chapter on plasticity Features an expanded coverage of fluids Includes numerous all new end-of-chapter problems With an abundance of worked examples and chapter problems, it carefully explains necessary mathematics and presents numerous illustrations, giving students and practicing professionals an excellent self-study guide to enhance their skills.

DBMS LAB MANUAL

eBookIt.com This manual is specially written for Students who are interested in understanding Structured Query Language and PL-SQL concepts in the Computer Engineering and Information technology field and wants to gain enhance knowledge about power of SQL Language in Relational Database Management System Development. The manual covers practical point of view in all aspects of SQL and PL/SQL including DDL, DML, DCL sublanguages, also there are practices for Views, Group by, Having Clause. All PL-SQL concepts like Condition and Loop Structures, Functions and Procedures, Cursor, Triggers, Locks are illustrated using best examples

ENGINEERING MATHEMATICS II

ALGEBRAIC, STOCHASTIC AND ANALYSIS STRUCTURES FOR NETWORKS, DATA CLASSIFICATION AND OPTIMIZATION

Springer This book highlights the latest advances in engineering mathematics with a main focus on the mathematical models, structures, concepts, problems and computational methods and algorithms most relevant for applications in modern technologies and engineering. It addresses mathematical methods of algebra, applied matrix analysis, operator analysis, probability theory and stochastic processes, geometry and computational methods in network analysis, data classification, ranking and optimisation. The individual chapters cover both theory and applications, and include a wealth of figures, schemes, algorithms, tables and results of data analysis and simulation. Presenting new methods and results, reviews of cutting-edge research, and open problems for future research, they equip readers to develop new mathematical methods and concepts of their own, and to further compare and analyse the methods and results discussed. The book consists of contributed chapters covering research developed as a result of a focused international seminar series on mathematics and applied mathematics and a series of three focused international research workshops on engineering mathematics organised by the Research Environment in Mathematics and Applied Mathematics at Mälardalen University from autumn 2014 to autumn 2015: the International Workshop on Engineering Mathematics for Electromagnetics and Health Technology; the International Workshop on Engineering Mathematics, Algebra, Analysis and Electromagnetics; and the 1st Swedish-Estonian International Workshop on Engineering Mathematics, Algebra, Analysis and Applications. It serves as a source of inspiration for a broad spectrum of researchers and research students in applied mathematics, as well as in the areas of applications of mathematics considered in the book.

PHARMACEUTICS-II

Pragati Books Pvt. Ltd. I-Dispensing Pharmacy - II-Dispensed Medications - a-Monophasic Liquid Dosage Forms - b-Biphasic Liquid Dosage Forms - c- Semi-solid Dosage Forms - III - Sterile Dosage Forms

OBJECTIVE QUESTION BANK IN MANAGEMENT (PB)

MANAGEMENT AND ENTREPRENEURSHIP

New Age International About the Book: Of late, academicians of technical education have felt the importance of "Management" and "Entrepreneurship". Engineers need to manage their departments/sections/subordinates, and Entrepreneurship helps the large pool of technical manpower in developing small-scale industries in high tech areas thereby contributing to the economy of the country. This book covers both 'Management' and 'Entrepreneurship'. The first chapters of this book deal with Management, Planning, Organizing and Staffing, Directing and Controlling. The last four chapters deal with Entrepreneurship, Small-Scale Industries, Institutional support and Project formulation. Adequate number of simple examples with which the students are familiar are included in each chapter. In addition, each chapter contains student learning activities to give the readers a chance to enhance the learning process. Though the book is written keeping in mind the syllabus of Visvesvaraya Technological University, yet it is useful for B.Com, BBM, DBM, PGDBM and MBA students also. Contents: Management Planning Organizing and Staffing Directing and Controlling Entrepreneurship Small-Scale Industries Institutional Support Preparation of Project.

A TEXTBOOK OF ENGINEERING CHEMISTRY

S. Chand Publishing Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only expected to cater to the current curricular requirements of various

institutions but also should provide a glimpse towards the latest developments in the concerned subject and the relevant disciplines. It should guide the periodic review and updating of the curriculum.

MHT-CET ENGINEERING ENTRANCE SOLVED PAPERS 2021

Arihant Publications India limited 1. MHT CET Engineering Entrance Solved Papers is best supplement book for the entrance 2. 15 Previous Solved Papers 2007-2020 for thorough practice 3. Well Detailed answers has been provided to each question Maharashtra Common Entrance Test (MHT CET), conducted by Directorate of Technical Education (DTE) Maharashtra, is a competitive examination for selecting students into full time professional technical courses in various institutes of the state. MHT CET Engineering Entrance Solved Papers serves as the best practice supplement which has been revised consciously to help students in preparing for its upcoming engineering entrance exam. This book contains good number of solved papers from last 15 previous years from 2007 to 2020. Questions are provided with well explanatory solutions supported by the finest illustrations that promote an easy learning and an in- depth understanding of the exam pattern. Easy-to-read and based on the latest exam syllabus, this ample collection of solved papers of last 15 years is a highly approachable book for the upcoming MHT CET 2021. TOC Solved Papers (2007-2020)

MATRICES IN ENGINEERING PROBLEMS

Morgan & Claypool Publishers This book is intended as an undergraduate text introducing matrix methods as they relate to engineering problems. It begins with the fundamentals of mathematics of matrices and determinants. Matrix inversion is discussed, with an introduction of the well known reduction methods. Equation sets are viewed as vector transformations, and the conditions of their solvability are explored. Orthogonal matrices are introduced with examples showing application to many problems requiring three dimensional thinking. The angular velocity matrix is shown to emerge from the differentiation of the 3-D orthogonal matrix, leading to the discussion of particle and rigid body dynamics. The book continues with the eigenvalue problem and its application to multi-variable vibrations. Because the eigenvalue problem requires some operations with polynomials, a separate discussion of these is given in an appendix. The example of the vibrating string is given with a comparison of the matrix analysis to the continuous solution. Table of Contents: Matrix Fundamentals / Determinants / Matrix Inversion / Linear Simultaneous Equation Sets / Orthogonal Transforms / Matrix Eigenvalue Analysis / Matrix Analysis of Vibrating Systems

FLUID MECHANICS AND MACHINERY

Oxford University Press, USA Fluid Mechanics and Machinery features exhaustive coverage of the essential concepts of the mechanics of fluids, both static and dynamic. It also provides an overview of the design and operation of various hydraulic machines such as pumps and turbines. The book also features numerous solved examples in order to help students grasp the fundamentals and apply them to real-life situations. Beginning with discussion of the properties of fluids, Fluid Mechanics and Machinery gives detailed information on topics such as fluid pressure and its measurement, principles of buoyancy and flotation, and fluid statics, kinematics, and dynamics. It then moves on to discuss dimensional analysis and flow of fluids through orifices, mouthpieces, and pipes, and over notches and weirs. More advanced topics such as vortex flow, impact of jets, and flow of compressible fluids are then dealt with in separate chapters. Finally, a thorough overview of the design and operation of various fluid machines such as pumps and turbines explains the practical applications of fluid forces to students.

ELECTRIC MOTORS AND TRANSFORMERS

ADVANCED COMPUTER NETWORK

Special Features: " Covers Practical Examples About The Book: The Advanced Computer Network book covers most of the key network technologies, services, and protocols that are frequently used in current networks [SS-1]. The book helps you to understand Optical Networking Standards - SONET/SDH and DWDM; Packet Switching Protocols - X.25, SMDS, and ATM; Protocols and Interfaces in TCP/IP suite; Internet Routing Protocols - RIP, OSPF, BGP, MOSPF, and DVMRP; Network Management Protocol - SNMP; Traffic Engineering and Capacity Planning; Protocols and Standards for Multimedia over Internet - RTP, RSVP, G.729, G.723, and H.323; Network Security Standards - DMZ, NAT, Prot forwarding, Proxy Server, and Packet Filtering; and Backbone Network Design.