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Chemistry for Electronic Materials - K.F. Jensen 1993-03-09

The chemical aspects of materials processing used for electronic applications, e.g. Si, III-V compounds, superconductors, metallization materials, are covered in this volume. Significant recent advances have occurred in the development of new volatile precursors for the fabrication of III-V semiconductor and metal [Cu, W] films by OMCVD. Some fundamentally new and wide-ranging applications have been introduced in recent times. Experimental and modeling studies regarding deposition kinetics, operating conditions and transport as well as properties of films produced by PVD, CVD and PECVD are discussed. The thirty papers in this volume report on many other significant topics also. Research workers involved in these aspects of materials technology may find here some new perspectives with which to augment their projects.

Matrices in Engineering Problems - Marvin J. Tobias 2011

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

Contracts & Accounts (WBSCTE) - Anupam Panigrahi & Mamta Gaur
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.

Principles of Communications - Rodger E. Ziemer 1976

Principles of Electronics - V. K. Mehta 2008

The general response to the first edition of the book was very encouraging. Authors feel that their work has been amply rewarded and wish to express their deep sense of gratitude, in general to the large number of readers who have used it, and in particular to those of them

who have sent helpful suggestions from time to time for the improvement of the book. The continuous feedback from the readers has helped the authors to make the book more useful.

Distributed Computer and Communication Networks - Vladimir M. Vishnevskiy 2021-01-01

This book constitutes the refereed post-conference proceedings of the 23rd International Conference on Distributed and Computer and Communication Networks, DCCN 2020, held in Moscow, Russia, in September 2020. The 54 revised full papers and 1 revised short paper were carefully reviewed and selected from 167 submissions. The papers cover the following topics: computer and communication networks; analytical modeling of distributed systems; and distributed systems applications.

Workshop Practice 2E - Bawa 2009

DBMS Lab Manual - Jitendra Patel 2012-12-01

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

Discrete Mathematics - Oscar Levin 2018-12-31

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

A Textbook of Applied Electronics - RS Sedha 2008-02

The present book has been thoroughly revised and lot of useful material has been added .saveral photographs of electronic devices and their specifications sheets have been included. This will help the students to have a better understanding of the electrinic devices and circuits from application point of view.the mistake and misprints, which has crept in, have been eliminated in this edition.

The 8088 and 8086 Microprocessors - Walter A. Triebel 1997

A TEXTBOOK OF ENGINEERING CHEMISTRY - SYAMALA SUNDAR DARA 2008

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.

Introduction to Programming with C++ - Y. Daniel Liang 2014

NOTE: You are purchasing a standalone product; MyProgrammingLab does not come packaged with this content. If you would like to purchase both the physical text and MyProgrammingLab search for ISBN-10: 0133377474 /ISBN-13: 9780133377477 . That package includes ISBN-10: 0133252817 /ISBN-13: 9780133252811 and ISBN-10: 013337968X /ISBN-13: 9780133379686 . MyProgrammingLab should only be purchased when required by an instructor . For undergraduate students in Computer Science and Computer Programming courses or beginning programmers A solid foundation in the basics of C++ programming will allow readers to create efficient, elegant code ready for any production environment Learning basic logic and fundamental programming techniques is essential for new programmers to succeed. A distinctive fundamentals-first approach and clear, concise writing style characterize Introduction to Programming with C++, 3/e. Basic programming concepts are introduced on control statements, loops, functions, and arrays before object-oriented programming is discussed. Abstract concepts are carefully and concretely explained using simple, short, and stimulating examples. Explanations are presented in brief segments, with many figures and tables. NEW! This edition is available with MyProgrammingLab, an innovative online homework and assessment tool. Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming.

MAINTENANCE OF ELECTRICAL EQUIPMENTS (22625) - M. A. Chaudhari 2020

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Introduction To Design And Analysis Of Algorithms, 2/E - Anany Levitin 2008-09

Getting Started with MATLAB 5 - Pratap Rudra 1999

Data Communications and Networking - Behrouz A. Forouzan

2001-07

ELECTRICAL ESTIMATION AND CONTRACTING (22627) - M. A. Chaudhari 2020

Mathematics for Machine Learning - Marc Peter Deisenroth 2020-04-23

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.

Engineering Mathematics II - Sergei Silvestrov 2017-02-10

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.

Consumer Electronics: - Bali, S. P. 2007

Consumer Electronics is the first book of its kind, and comprehensively covers the theory, applications and maintenance of various audio/video systems, telecommunication systems and electronic home/office appliances. The book completely covers the
Fundamental of Chemical Engineering - 2011

Electrical Power Transmission and Distribution - Marko Silver
2017-06-13

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.

ARTIFICIAL INTELLIGENCE (ELECTIVE - V) - Ashwini C. Mrs.
BOKHARE 2020-02

The basic objective of this book is to bridge the gap between the vast contents of the reference books, written by the renowned Intertiol Authors and the concise requirements of Undergraduate Students. This book has been written in a comprehensive manner using Simple and Lucid language, keeping in mind students' requirements. The main emphasis has been given on exploring the basic concepts rather than merely the Information. Solved Examples and Exercises have been provided throughout the book and at the end of the Unit. Also we have given Model Question Papers for practice at the end of book.

Computer Applications in Pharmaceutical Research and Development - Sean Ekins 2006-07-11

A unique, holistic approach covering all functions and phases of pharmaceutical research and development While there are a number of texts dedicated to individual aspects of pharmaceutical research and development, this unique contributed work takes a holistic and integrative approach to the use of computers in all phases of drug discovery, development, and marketing. It explains how applications are used at various stages, including bioinformatics, data mining, predicting human response to drugs, and high-throughput screening. By providing a comprehensive view, the book offers readers a unique framework and systems perspective from which they can devise strategies to thoroughly exploit the use of computers in their organizations during all phases of the discovery and development process. Chapters are organized into the following sections: * Computers in pharmaceutical research and development: a general overview * Understanding diseases: mining complex systems for knowledge * Scientific information handling and enhancing productivity * Computers in drug discovery * Computers in

preclinical development * Computers in development decision making, economics, and market analysis * Computers in clinical development * Future applications and future development Each chapter is written by one or more leading experts in the field and carefully edited to ensure a consistent structure and approach throughout the book. Figures are used extensively to illustrate complex concepts and multifaceted processes. References are provided in each chapter to enable readers to continue investigating a particular topic in depth. Finally, tables of software resources are provided in many of the chapters. This is essential reading for IT professionals and scientists in the pharmaceutical industry as well as researchers involved in informatics and ADMET, drug discovery, and technology development. The book's cross-functional, all-phases approach provides a unique opportunity for a holistic analysis and assessment of computer applications in pharmaceuticals.

MOBILE AND WIRELESS COMMUNICATION - Vijay G. Yangalwar 2020-02

I am glad to present the book entitled "Mobile and Wireless Communication" for Third Year (Sixth Semester) Diploma in Electronics Engineering as per SBTE's New Revised syllabus. I have observed the students facing extreme difficulties in understanding the basic principles and fundamental concepts. To meet this basic requirement of students, sincere efforts have been made to present the subject matter with frequent use of figures.

Let Us C - Yashavant P. Kanetkar 2004-11-01

Programming with JAVA - A Primer - E. Balaguruswamy 2014-06-04
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.

PETROLEUM AND PETROCHEMICAL TECHNOLOGY (22611) - Yogesh Karpe 2020

Applied Mathematics 10 - 2000

WEB BASED APPLICATION DEVELOPMENT WITH PHP (22619) - Prashant Somwanshi 2019-12

61 Sample Question Papers: ICSE Class 10 for 2022 Examination - Oswal - Gurukul 2021-09-20

Sample Question Papers for ISC Science Stream Class 12 Semester I Exam 2021 - Oswal - Gurukul 2021-10-04

Basics of Environmental Science - Michael Allaby 2002-01-04

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.

Manufacturing Processes - H. N. Gupta 2012-09

Effective from 2008-09 session, U.P.T.U. has introduced the subject of manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a distilled form.

10 Last Years Solved Papers (HSC) - Science - Gurukul Books 2019-08-23

PRINCIPLES OF ELECTRICAL MACHINE DESIGN - Laxmikant V. Bagale 2020

The basic objective of this book is to bridge the gap between the vast contents of the reference books, written by the renowned Intertiol Authors and the concise requirements of Undergraduate Students. This book has been written in a comprehensive manner using Simple and Lucid language, keeping in mind students' requirements. The main emphasis has been given on exploring the basic concepts rather than merely the Information. Solved Examples, Summary and Exercises have been provided throughout the book and at the end of the Unit. Also I have given Model Question Papers for practice at the end of book.

Emerging Trends in Mechanical Engineering - L. M. Das 2020-12-11

This book consists of select proceedings of the International Conference on Emerging Trends in Mechanical and Industrial Engineering (ICETMIE) 2019. It covers current trends in thermal, design, industrial, production and other sub-disciplines of mechanical engineering. This volume focuses on different areas of design engineering including computational mechanics, computational fluid dynamics, finite elements in modelling, simulation, analysis and design, kinematics and dynamics of rigid bodies, micro- and nano-mechanics, solid mechanics and structural mechanics, vibration and acoustics, applied mechanics, and biomechanics. It also covers various topics from thermal engineering including refrigeration plants, heat exchangers, heat pumps and heat pipes, combined heat and power and advanced alternative cycles, polygeneration, combustion processes, heat transfer, solar cells, solar thermal power plants, and the integration of renewable energy with conventional processes. This book will be useful for students, researchers as well as professionals working in the area of mechanical engineering, especially thermal engineering and engineering design and other allied areas.

Textbook of Environmental Studies for Undergraduate Courses - Erach Bharucha 2005-11

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.