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The Official SAT Subject Test in Chemistry Study Guide

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Numerical Chemistry

New Frontiers in Theory and Applications

Computer-Aided Drug Design

Gateway To Maritime Education

Algebra for Computer Science

Guide to Linear Algebra

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Humanities And Communication Skills (For The University Of Calicut) Palala Press

If you are preparing or being prepared for IMU-CET entrance exam, then surely you are proceeding toward your bright career. Our study materials are specially prepared, keeping in mind the requirements, syllabus, content, detailed solutions, latest samples, Thus it enables an average students to compete & qualify the all entrance exam. This book covers all types of Problems & Questions Patterns(Physics-Mathmatics-Chemistry-English-Aptitude and G.k with detail summery) generally asked in entrance examination-1.B.Sc. Degree in Nautical Science2. Higher National Diploma (HND) Nautical Science.3. Higher National Diploma (HND) Marine Engineering4.. 6 months Pre-Sea course for General Purpose Rating5. 4-Year Degree course in Marine Engineering6. 1-year Marine Engineering CourseGraduate Marine Engineer(GME)7. 2-year Marine Engineering course8. Pre-sea Training for Electro-Technical Officers on Merchant Ships9. B.Sc.[Maritime Hospitality Studies]10. Deck Cadet Course.1. This book covers all Guide & Introduction of Marine Worlds. 2. Shipping Company Sponsorship Tests and Previous Papers of IMU CET.3. Questions Pattern and Many More.....

The Official SAT Subject Test in Chemistry Study Guide

Nova Science Pub Incorporated

"A textbook for beginners in security. In this new first edition, well-known author Behrouz Forouzan uses his accessible writing style and visual approach to simplify the difficult concepts of cryptography and network security. This edition also provides a website that includes Powerpoint files as well as instructor and students solutions manuals. Forouzan presents difficult security topics from the ground up. A gentle introduction to the fundamentals of number theory is provided in the opening chapters, paving the way for the student to move on to more complex security and cryptography topics. Difficult math concepts are organized in appendices at the end of each chapter so that students can first learn the principles, then apply the technical

background. Hundreds of examples, as well as fully coded programs, round out a practical, hands-on approach which encourages students to test the material they are learning."-- Publisher's website.

Concepts Of Physics Infinity Science PressLlc

This book offers a critical analysis of core concepts that have influenced contemporary conversations about environment-society relations in academic, political, and civil circles. Considering these conceptualizations are currently shaping responses to environmental crises in fundamental ways, critical reflections on concepts such as the Anthropocene, metabolism, risk, resilience, environmental governance, environmental justice and others, are well-warranted. Contributors to this volume, working across a multitude of areas within environmental social science, scrutinize underlying worldviews and assumptions, asking a common set of key questions: What are the different concepts able to explain? How do they take into account society-environment relations? What social, cultural, or geo-political biases and blinders are inherent? What actions or practices do the concepts inspire? The transdisciplinary engagement and reflexivity regarding concepts of environment-society relations represented in these chapters is needed in all spheres of society—in academia, policy and practice—not the least to confront current tendencies of anti-reflexivity and denialism.

Numerical Chemistry PHI Learning Pvt. Ltd.

At the crossroads of mathematics, operations research, and computer science, linear programming has become a mature and well-understood tool to address problems in science, engineering, economics and mathematics itself. This tremendous success is based on three key components: intuitive modeling, powerful algorithms and the availability of practical solver packages. This new book is a collection of new advancements in the field of LP. It includes theoretical contributions about extensions of LP, as well as reports on applying LP in different settings: in agriculture, in different engineering disciplines and for deriving mathematical results.

New Frontiers in Theory and Applications College Board

Gestalt theory and the psychology of visual perception form the basis for an analysis of art and its basic elements

Computer-Aided Drug Design McGraw-Hill Education

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Gateway To Maritime Education Springer

This book describes the concepts and mechanism of compiler design. The goal of this book is to make the students experts in compiler's working principle, program execution and error detection.This book is modularized on the six phases of the compiler namely lexical analysis, syntax analysis and semantic analysis which comprise the analysis phase and the intermediate code generator, code optimizer and code generator which are used to optimize the coding. Any program efficiency can be provided through our optimization phases when it is translated for source program to target program. To be useful, a textbook on compiler design must be accessible to students without technical backgrounds while still providing substance comprehensive enough to challenge more experienced readers. This text is written with this new mix of students in mind. Students should have some knowledge of intermediate programming, including such topics as system software, operating system and theory of computation.

Algebra for Computer Science Principles of Data Structures Using C and C++

As far as you know, IELTS candidates will have only 60 minutes for this IELTS Reading part with a total of 40questions. Therefore, it is absolutely necessary that you invest time in practicing the real IELTS reading testsfor this module.Beside Cambridge IELTS Practice Tests series published by Oxford University Press, "101 IELTS Reading Past Papers with Answers" ebook aims to develop both test-taking skills and language proficiency to help youachieve a high IELTS Reading score. It contains 101 IELTS Reading Tests which were in the real IELTS testsfrom 2016 to early 2019 and an Answer Key. Each test contains three reading passages which cover a richvariety of topics and give a lots of practice for a wide range of question types used in the IELTS Exam suchas multiple choice questions, short-answer questions,

sentence completion, summary completion, classification, matching lists / phrases, matching paragraph headings, identification of information -True/False/Not Given, etc. When studying IELTS with this ebook, you can evaluate at the nearest possibility how difficult the IELTS Reading section is in the real exam, and what the top most common traps are. Moreover, these tests are extracted from authentic IELTS bank source; therefore, you are in all probability to take these tests in your real examinations. The authors are convinced that you will find IELTS Reading Past Papers Test with Answer extremely helpful on your path to success with the International English Language Testing System. Don't just trust to luck in your IELTS exam - the key is practice! IELTSMaterial.COM

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THEORY AND APPLICATIONS Educreation Publishing

The present Special Issue contains a selection of papers presented at the 22nd International Conference on Engineering Mechanics, which has been held in Svatka resort in Czech Republic under auspices of the Czech Society of Mechanics and being a part of IFTOMM (The International Federation for the Promotion of Mechanism and Machine Science) activities. As it corresponds with character of the conference, this Special Issue consists of several topic oriented parts: Linear and Nonlinear Dynamics and Stability, Aeroelasticity, Hydroelasticity and Fluid Mechanics, Biomechanics, Fracture Mechanics, Mechatronics, Reliability of Structures, Mechanics of Solids, Thermomechanics. The volume represents a well-balanced overview of theoretical, numerical and experimental work on fundamental and applied studies.

[Professional Ethics and Human Values](#) Ane Books Pvt Ltd

The second edition of this comprehensive and accessible text continues to offer students a challenging and enjoyable study of complex variables that is infused with perfect balanced coverage of mathematical theory and applied topics. The author explains fundamental concepts and techniques with precision and introduces the students to complex variable theory through conceptual development of analysis that enables them to develop a thorough understanding of the topics discussed. Geometric interpretation of the results, wherever necessary, has been inducted for making the analysis more accessible. The level

of the text assumes that the reader is acquainted with elementary real analysis. Beginning with the revision of the algebra of complex variables, the book moves on to deal with analytic functions, elementary functions, complex integration, sequences, series and infinite products, series expansions, singularities and residues. The application-oriented chapters on sums and integrals, conformal mappings, Laplace transform, and some special topics, provide a practical-use perspective. Enriched with many numerical examples and exercises designed to test the student's comprehension of the topics covered, this book is written for a one-semester course in complex variables for students in the science and engineering disciplines.

Business Mathematics : Theory & Applications Trans Tech Publications Ltd

This well-received book, which is a new edition of Textbook of Engineering Mathematics: Special Functions and Complex Variables by the same author, continues to discuss two important topics—special functions and complex variables. It analyzes special functions such as gamma and beta functions, Legendre's equation and function, and Bessel's function. Besides, the text explains the notions of limit, continuity and differentiability by giving a thorough grounding on analytic functions and their relations with harmonic functions. In addition, the book introduces the exponential function of a complex variable and, with the help of this function, defines the trigonometric and hyperbolic functions and explains their properties. While discussing different mathematical concepts, the book analyzes a number of theorems such as Cauchy's integral theorem for the integration of a complex variable, Taylor's theorem for the analysis of complex power series, the residue theorem for evaluation of residues, besides the argument principle and Rouché's theorem for the determination of the number of zeros of complex polynomials. Finally, the book gives a thorough exposition of conformal mappings and develops the theory of bilinear transformation. Intended as a text for engineering students, this book will also be useful for undergraduate and postgraduate students of Mathematics and students appearing in competitive examinations. What is New to This Edition : Chapters have been reorganized keeping in mind changes in the syllabi. A new chapter is exclusively devoted to Graph Theory.

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Unlike Many Engineering Mathematics Books, The New Edition Of This Comprehensive Applications-Oriented Book Uses Computer Programs In Almost Every Chapter To Demonstrate The Mathematical Concepts Under Discussion. Designed For Engineering Students As Well As Practicing Engineers And Scientists, The Book Has Hundreds Of Examples With In-Text Solutions. In Terms Of Content, It Covers The Entire Sequence Of Mathematical Topics Needed By The Majority Of University Programs, Including ODE, PDE, Complex Variables, Probability/Statistics, And Numerical Methods. The Authors Demonstrate How The Mathematical Concepts Will Be Used In Practical Applications Such As Fractals, Robotics, Circuits, Membrane Simulation, Collision Detection, Ray Tracing, Signal Processing, And More. A CD-ROM With The Source Code For The In-Text Computer Programs (Written In C) Includes Calculation Routines And Simulations.

Tancet MCA Simon and Schuster

This book provides valuable insight into the nature and the background of the subject of Psychology. Designed basically as a textbook for general psychology courses of Indian universities, it will also prove useful to those working in the disciplines of sociology, education, social work and social sciences. The subject matter in the text has been presented in such a way that it can be easily grasped by a beginner and appreciated by an advanced reader.

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Recent progress in the fields of Electrical and Electronic Engineering has created new application scenarios and new Electromagnetic Compatibility (EMC) challenges, along with novel tools and methodologies to address them. This volume, which collects the contributions published in the "Electromagnetic Interference and Compatibility" Special Issue of MDPI Electronics, provides a vivid picture of current research trends and new developments in the rapidly evolving, broad area of EMC, including contributions on EMC issues in digital communications, power electronics, and analog integrated circuits and sensors,

along with signal and power integrity and electromagnetic interference (EMI) suppression properties of materials.

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Synchronous & Induction Machines MDPI

Financial Accounting for BBA has been written to meet the requirements of undergraduate students, particularly at the BBA level. This book covers the syllabi of major universities across the country, providing basic knowledge of accounting principles and practices in a systematic manner. The topics have been dealt with in a lucid manner to enable better understanding, especially for those students who do not have an accounting background. The text is examination-oriented and is supplemented with relevant solved illustrations for all the topics.

Advanced Engineering Mathematics Macmillan International Higher Education

This book provides up-to-date information on bioinformatics tools for the discovery and development of new drug molecules. It discusses a range of computational applications, including three-dimensional modeling of protein structures, protein-ligand docking, and molecular dynamics simulation of protein-ligand complexes for identifying desirable drug candidates. It also explores computational approaches for identifying potential drug targets and for pharmacophore modeling. Moreover, it presents structure- and ligand-based drug design tools to optimize known drugs and guide the design of new molecules. The book also

describes methods for identifying small-molecule binding pockets in proteins, and summarizes the databases used to explore the essential properties of drugs, drug-like small molecules and their targets. In addition, the book highlights various tools to predict the absorption, distribution, metabolism, excretion (ADME) and toxicity (T) of potential drug candidates. Lastly, it reviews in silico tools that can facilitate vaccine design and discusses their limitations.

Data Interpretation & Data Sufficiency MacMillan Publishing Company

• This textbook provides a perfect amalgam of the basics of computer architecture, intricacies of modern assembly languages and advanced concepts such as multiprocessor memory systems and I/O technologies. It shows the design of a processor from first principles including its instruction set, assembly-language specification, functional units, microprogrammed implementation and 5-stage pipeline. Computer Organisation and Architecture can serve as a textbook in both basic as well as advanced courses on computer architecture, systems programming, and microprocessor design. Additionally, it can also serve as a reference book for courses on digital electronics and communication. Salient Features: • Balanced presentation of theoretical, qualitative and quantitative aspects of computer architecture • Extensive coverage of the ARM and x86 assembly languages • Extensive software support: Instruction set emulators, assembler, Logisim and VHDL design of the SimpleRisc processor

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