
Calicut University B Tech Question Papers

A Computer Approach

Report for the Year ...

Computer-Aided Drug Design

Algebra for Computer Science

Environment and Society

Improving University And College Teaching

Integral Transforms for Engineers and Applied Mathematicians

Journal of the Indian Institute of Architects

Advanced Engineering Mathematics

Language and Literature (General)

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Transnational Data and Communications Report

ENGINEERING MATHEMATICS III

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MCAT Practice Test

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Humanities And Communication Skills (For The University Of Calicut)

The Pearson Guide To Mba Entrance Examinations, 2/E

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HOWE LAWRENCE

A Computer Approach PHI Learning Pvt. Ltd.

Understand the complexities of modern-day data engineering platforms and explore strategies to deal with them with the help of use case scenarios led by an industry expert in big data Key Features

Become well-versed with the core concepts of Apache Spark and Delta Lake for building data platforms Learn how to ingest, process, and analyze data that can be later used for training machine learning models Understand how to operationalize data models in production using curated data Book Description In the world of ever-changing data and schemas, it is important to build data pipelines that

can auto-adjust to changes. This book will help you build scalable data platforms that managers, data scientists, and data analysts can rely on. Starting with an introduction to data engineering, along with its key concepts and architectures, this book will show you how to use Microsoft Azure Cloud services effectively for data engineering. You'll cover data lake design patterns and the different stages through which the data needs to flow in a typical data lake. Once you've explored the main features of Delta Lake to build data lakes with fast performance and governance in mind, you'll advance to implementing the lambda architecture using Delta Lake. Packed with practical examples and code snippets, this book takes you through real-world examples based on

production scenarios faced by the author in his 10 years of experience working with big data. Finally, you'll cover data lake deployment strategies that play an important role in provisioning the cloud resources and deploying the data pipelines in a repeatable and continuous way. By the end of this data engineering book, you'll know how to effectively deal with ever-changing data and create scalable data pipelines to streamline data science, ML, and artificial intelligence (AI) tasks. What you will learn Discover the challenges you may face in the data engineering world Add ACID transactions to Apache Spark using Delta Lake Understand effective design strategies to build enterprise-grade data lakes Explore architectural and design patterns for building efficient data

ingestion pipelines Orchestrate a data pipeline for preprocessing data using Apache Spark and Delta Lake APIs Automate deployment and monitoring of data pipelines in production Get to grips with securing, monitoring, and managing data pipelines models efficiently Who this book is for This book is for aspiring data engineers and data analysts who are new to the world of data engineering and are looking for a practical guide to building scalable data platforms. If you already work with PySpark and want to use Delta Lake for data engineering, you'll find this book useful. Basic knowledge of Python, Spark, and SQL is expected.

Report for the Year ... Springer Nature Very Good, No Highlights or Markup, all pages are intact.

Computer-Aided Drug Design

Gleanings from the Question Hour Report for the Year ... Humanities And Communication Skills (For The University Of Calicut)

The aim of this book is to teach the reader the topics in algebra which are useful in the study of computer science. In a clear, concise style, the author present the basic algebraic structures, and their applications to such topics as the finite Fourier transform, coding, complexity, and automata theory. The book can also be read profitably as a course in applied algebra for mathematics students.

Algebra for Computer Science Infinity Science Press LLC

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.

Environment and Society Univ of California Press

A real printed MCAT exam for practice test-taking.

Improving University And College Teaching Palala Press

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.

Integral Transforms for Engineers and Applied Mathematicians PHI Learning Pvt. Ltd.

The book constitutes selected high quality papers presented in International Conference on Computing, Power and Communication Technologies 2018 (GUCON 2018) organised by Galgotias University, India, in September 2018. It discusses issues in electrical, computer and electronics engineering and technologies. The selected papers are organised into three sections - cloud computing and computer networks; data mining and big data analysis; and

bioinformatics and machine learning. In-depth discussions on various issues under these topics provides an interesting compilation for researchers, engineers, and students.

Journal of the Indian Institute of Architects MDPI

This book seeks to build fundamental concepts on the subject of Linear Algebra and Partial Differential Equations. Each topic is lucidly and comprehensively explained as well as illustrated with diverse types of solved examples. Step-wise explanation has been provided to the students for the numerous solved examples to create a better understanding of the course.

Salient Features include, Strict adherence to latest AU syllabus; Exhaustive coverage on Partial

Differential Equations and Fourier Series Solutions of PDE; Diverse and useful pedagogy such as Important points highlighted within text, short answer, questions, numerous solved examples for quick understanding.

Advanced Engineering Mathematics

McGraw-Hill Education

Gleanings from the Question Hour Report for the Year ...

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textbook on power electronic drives, with simple illustrations and applications Presents the integration of power electronics and machines in a simple manner Discusses the principles of electric motors and power electronics in an introductory manner Discusses DC and AC drives, with an emphasis on PM drives Includes questions and homework problems with hints and case studies

International Collaborative Research: Ottawa, St.Louis, Stuttgart, Bologna, Cape Town, Nairobi, Dakar, Lagos, New Delhi, Varanasi, Vijayawada, Kozhikode, Hong Kong New Age International

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generally available to the public. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Transnational Data and Communications Report Sarup & Sons

The present book highlights studies that show how smart cities promote urban economic development. The book surveys the state of the art of Smart City Economic Development through a literature survey. The book uses 13 in depth city research case studies in 10 countries such as the North America, Europe, Africa and Asia to explain how a smart economy changes the urban spatial system and vice versa. This book focuses on exploratory city studies in different countries, which investigate

how urban spatial systems adapt to the specific needs of smart urban economy. The theory of smart city economic development is not yet entirely understood and applied in metropolitan regional plans. Smart urban economies are largely the result of the influence of ICT applications on all aspects of urban economy, which in turn changes the land-use system. It points out that the dynamics of smart city GDP creation takes 'different paths,' which need further empirical study, hypothesis testing and mathematical modelling. Although there are hypotheses on how smart cities generate wealth and social benefits for nations, there are no significant empirical studies available on how they generate urban economic development through urban spatial

adaptation. This book with 13 cities research studies is one attempt to fill in the gap in knowledge base.

ENGINEERING MATHEMATICS III

Pearson Education India

The international information economy monthly.

Linear IC Applications Tata McGraw-Hill Education

Increase your score on the GRE with a tool that is easy to review and less expensive than any other study aid. Whether taking the exam while in college, after your undergrad, or with some time in-between, a 6-page laminated guide can go anywhere for review of techniques you will learn in exam prep courses or through test-taking books. Using one example per question type, a thorough breakdown of

the thought process for the answer(s) reinforces the strategy for conquering each type of question on the test for a review you can do anywhere in record time. 6-page laminated guide includes: Exam Overview Text Completion Questions Sample Questions Explanation - How to Process & Answer One Blank & Two and Three Blank Passages Sentence Equivalence Sample Questions Explanation - How to Process & Answer Reading Comprehension Improve Your Reading Comprehension Author's Purpose Question Type Multiple Choice Questions Explanation - How to Process & Answer Sample Reading Comprehension Questions Multiple Choice - One Answer Multiple Choice - One or More Answers Explanation - How to Process & Answer Improving Your

Vocabulary Scoring on the GRE

Suggested uses: Review Anywhere - exam prep books are huge, with much space used for sample questions, this guide focuses on how to answer - keep in your bag or car to review any place, any time The Whole Picture - with 6 pages, it is easy to jump to one section or another to go straight to the core of the thought processes you need for answering questions Last Review - many people use our guides as a last review before they enter an exam

MCAT Practice Test Springer

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 Rouche'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.

Financial Accounting for BBA Vikas Publishing House
This is a sequel to the author's earlier

books -- Engineering Mathematics: Vols. I and II -- both well received by the students and the academics. As this book deals with advanced topics in engineering mathematics, which undergraduate students in engineering and postgraduate students in mathematics and allied disciplines have to study as part of their course requirements, the title of Advanced Engineering Mathematics has been considered more suitable. This well-organised and accessible text discusses in detail the advanced mathematical tools and techniques required for engineering problems. The book begins with Fourier series and goes on to give an indepth analysis of Fourier transform, Mellin transforms and Z-transforms. It then examines the partial differential

equations with an emphasis on the method of separation of variables applied to the solution of initial boundary value problems involving the heat, wave and Laplace equations. Discrete mathematics and its applications are covered in a separate chapter as the subject has wide applications in computer science. In addition, the book presents some of the classical problems of the calculus of variations, including the brachistochrone problem. The text concludes with a discussion on tensor analysis which has important applications in the study of continuum mechanics, theory of relativity, and elasticity. Intended primarily as a text for undergraduate students of engineering, postgraduate students of mathematics (M.Sc.), and master of

computer applications (MCA), the book would be of great benefit also to practising engineers. Key Features The topics given are application-oriented, and are selected keeping in view their use in various engineering disciplines. Exercises are provided at the end of each section to test the student's comprehension. A large number of illustrative examples are given to help students understand the concepts better.

Some Policy Implications Macmillan International Higher Education 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.

Art and Visual Perception CRC Press
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.

Concepts and Challenges MacMillan Publishing Company

Elegant ideas deserve elegant expression. Sword dispels the myth that

you can't get published without writing wordy, impersonal prose. For scholars frustrated with disciplinary conventions or eager to write for a larger audience, here are imaginative, practical, witty pointers that show how to make articles and books enjoyable to read—and to write.

English for Academic and Professional Skills APH Publishing

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.

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