Gate 2012 Cse Question Paper

Cambridge International AS & A Level Computer ScienceData Structures and Algorithms in JavaIntroduction to Automata Theory, Languages, and ComputationMcqs In Computer ScienceProgramming Collective IntelligenceTheory of MachinesQuantum Cryptography and the Future of Cyber SecurityI'll Be Gone in the DarkPharmaceutics-IIGATE Computer Science and Information Technology | GATE 2020 | By PearsonComputer Organization & Architecture 7e18 years Chapter-wise & Topic-wise GATE Computer Science & Information Technology Solved Papers (2017 - 2000) with 4 Online Practice Sets - 4th Edition2017 ElectronicsPrevious Years' Solved Question Papers GATE General Aptitude & Engineering Mathematics 2019GATE Computer Science and Information Technology 2018Introduction to Modern ThermodynamicsEducation for Life and WorkAlgorithm DesignThe Oxford Handbook of Organizational PsychologyMatrix AnalysisValue Relevance of Accounting Numbers in MalaysiaPG PlusGuide to Teaching Computer ScienceMathematical Logic for Computer ScienceGATE Civil Engineering 2018Data Structures and Algorithms for GateLife Sciences Set(Free Sample) 22 JEE Main Online 2019 & 2020 Solved Papers with FREE 5 Online Mock Tests 3rd EditionAI 2012: Advances in Artificial IntelligenceGate Computer Science Papers (R-690)How to Think Like Bill GatesElectronic Devices and Circuit TheoryTopic-wise Practice Tests for GATE Computer Science and Information Technology by PearsonComputer Networking: A Top-Down Approach Featuring the Internet, 3/eDigital Logic Design PrinciplesGATE Mechanical Engineering 2018Thesis ProjectsQuantum Computer ScienceComputing Statistics under Interval and Fuzzy UncertaintyMathematics for Computer Science

Cambridge International AS & A Level Computer Science

Follow the career path that took Bill Gates from being a Harvard drop-out to one of the wealthiest men in the world, and learn how to think like the genius businessman himselfA household name for his role in the founding of ubiquitous computer software company Microsoft, Bill Gates is one of the world's great businessmen. Brought up to compete rigorously in all areas of his life, he dropped out of Harvard in 1975 to follow his dream of starting his own firm. He formed "Micro-Soft" and set about coding his way to the top. But creating software language was just the beginning of a journey that would eventually see Gates become the wealthiest man in the world. He not only knew how to develop a product, but was great at selling it too, becoming a figurehead of the staid but booming corporate America. In recent years, Gates turned away from the computer screen to combat injustices in the world, channeling huge amounts of his personal fortune into the Bill and Melinda Gates Foundation, a body whose operations are changing the way the charity sector goes about its business. How to Think Like Bill Gates reveals the key motivations, decisions, and philosophies that made Gates a name synonymous with success. Studying how he honed his business acumen, faced down all competitors, overcame adversity, and stood strong in the face of overwhelming odds, with quotes and passages by and about him, you too can learn to think like Bill Gates.

Data Structures and Algorithms in Java

The shortcomings of modern cryptography and its weaknesses against computers that are becoming more powerful necessitate serious consideration of more robust security options. Quantum cryptography is sound, and its practical implementations are becoming more mature. Many applications can use quantum cryptography as a backbone, including key distribution, secure direct communications, large prime factorization, e-commerce, e-governance, quantum internet, and more. For this reason, quantum cryptography is gaining interest and importance among computer and security professionals. Quantum Cryptography and the Future of Cyber Security is an essential scholarly resource that provides the latest research and advancements in cryptography and cyber security through quantum applications. Highlighting a wide range of topics such as e-commerce, machine learning, and privacy, this book is ideal for security analysts, systems engineers, software security engineers, data scientists, vulnerability analysts, professionals, academicians, researchers, security professionals, policymakers, and students.

Introduction to Automata Theory, Languages, and Computation

Previous Years' Solved Question Papers GATE General Aptitude & Engineering Mathematics 2019

Mcqs In Computer Science

Peeling Data Structures and Algorithms for (C/C++): GATE Preparation Solutions to all previous GATE questions since 1991 Campus Preparation Degree/Masters Course Preparation Instructor's Reference Manual for Working People What is unique? This book is aimed for GATE students. We have tried to solve all problems related to and from the last twenty years papers. Each solution has explanation associated with it and this gives the confidence for readers about the correctness of the solutions. As a if you read complete book with good understanding, I am sure you will challenge the interviewers and that is the objective of this book. Topics Covered: IntroductionRecursion and BacktrackingLinked ListsStacksQueuesTreesPriority Queue and HeapsDisjoint Sets ADTGraph AlgorithmsSorting Searching Selection Algorithms [Medians] Symbol Tables Hashing String Algorithms Algorithms Design Techniques Greedy Algorithms Divide and Conquer Algorithms Dynamic Programming Complexity Classes Miscellaneous Concepts Target Audience? All GATE aspirants. Language? All code was written in C/C++.

Programming Collective Intelligence

In many practical situations, we are interested in statistics characterizing a population of objects: e.g. in the mean height of

people from a certain area. Most algorithms for estimating such statistics assume that the sample values are exact. In practice, sample values come from measurements, and measurements are never absolutely accurate. Sometimes, we know the exact probability distribution of the measurement inaccuracy, but often, we only know the upper bound on this inaccuracy. In this case, we have interval uncertainty: e.g. if the measured value is 1.0, and inaccuracy is bounded by 0.1, then the actual (unknown) value of the quantity can be anywhere between 1.0 - 0.1 = 0.9 and 1.0 + 0.1 = 1.1. In other cases, the values are expert estimates, and we only have fuzzy information about the estimation inaccuracy. This book shows how to compute statistics under such interval and fuzzy uncertainty. The resulting methods are applied to computer science (optimal scheduling of different processors), to information technology (maintaining privacy), to computer engineering (design of computer chips), and to data processing in geosciences, radar imaging, and structural mechanics.

Theory of Machines

This book has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also subject matter experts. As a result this book would serve as a one-stop solution for any GATE aspirant to crack the examination.

Quantum Cryptography and the Future of Cyber Security

This is the first modern approach to thermodynamics written specifically for a first undergraduate course. It covers the fundamental formalism with some attention given to its history; describes basic applications of the formalism and continues with a number of additional applications that instructors can use according to their particular degree program – these chapters cover thermal radiation, biological systems, nano systems, classical stability theory, and principles of statistical thermodynamics. A wide range of examples appear throughout the book from biological, engineering and atmospheric systems. Each chapter contains a bibliography and numerous examples and exercises. An accompanying web site will provide students with information and links to data sources and other thermodynamics-related sites, and instructors will be able to download complete solutions to exercises.

I'll Be Gone in the Dark

This book is designed for Computer Science students taking their GATE, GRE and other competitive examinations, e.g. examinations for Public Sector Undertakings and placement examinations for software firms. It can also act as a powerful self-evaluation tool for the students of Computer Science and Engineering, MCA, B.Sc.(Computer Science), BCA and PGDCA. Updated With: Inclusion of a new chapter on Oracle covering SQL, PL/SQL, SQL*Plus, Reports and Forms.Expanded coverage

of Principles of Programming Languages, Mathematical Foundation of Computer Science, Operating Systems and Data Structures.Over 280 new exercises and updated problems.A hundred more explanations to exercise-answers. Key Features: Over 1950 Multiple-Choice Questions to fully arm the student for competitive exminations.Includes answers to all questions.Provides a brief explanation for 620 choosen tricky questions.Includes questions from previous years' papers of the GATE examination, GRE's subject test in Computer Science and questions from the screening tests conducted by organisations for placement.Question paper of GATE 2005 included.

Pharmaceutics-II

Want to tap the power behind search rankings, product recommendations, social bookmarking, and online matchmaking? This fascinating book demonstrates how you can build Web 2.0 applications to mine the enormous amount of data created by people on the Internet. With the sophisticated algorithms in this book, you can write smart programs to access interesting datasets from other web sites, collect data from users of your own applications, and analyze and understand the data once you've found it. Programming Collective Intelligence takes you into the world of machine learning and statistics, and explains how to draw conclusions about user experience, marketing, personal tastes, and human behavior in general -- all from information that you and others collect every day. Each algorithm is described clearly and concisely with code that can immediately be used on your web site, blog, Wiki, or specialized application. This book explains: Collaborative filtering techniques that enable online retailers to recommend products or media Methods of clustering to detect groups of similar items in a large dataset Search engine features -- crawlers, indexers, query engines, and the PageRank algorithm Optimization algorithms that search millions of possible solutions to a problem and choose the best one Bayesian filtering, used in spam filters for classifying documents based on word types and other features Using decision trees not only to make predictions, but to model the way decisions are made Predicting numerical values rather than classifications to build price models Support vector machines to match people in online dating sites Non-negative matrix factorization to find the independent features in a dataset Evolving intelligence for problem solving -- how a computer develops its skill by improving its own code the more it plays a game Each chapter includes exercises for extending the algorithms to make them more powerful. Go beyond simple database-backed applications and put the wealth of Internet data to work for you. "Bravo! I cannot think of a better way for a developer to first learn these algorithms and methods, nor can I think of a better way for me (an old AI dog) to reinvigorate my knowledge of the details." -- Dan Russell, Google "Toby's book does a great job of breaking down the complex subject matter of machine-learning algorithms into practical, easy-to-understand examples that can be directly applied to analysis of social interaction across the Web today. If I had this book two years ago, it would have saved precious time going down some fruitless paths." -- Tim Wolters, CTO, Collective Intellect

GATE Computer Science and Information Technology | GATE 2020 | By Pearson

This book has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also subject matter experts. As a result this book would serve as a one-stop solution for any GATE aspirant to crack the examination. The book is divided into three parts covering, (1) General Aptitude, (2) Engineering Mathematics and (3) Computer Science and Information Technology. Coverage is as per the syllabus prescribed for GATE and topics are handled in a comprehensive manner - beginning from the basics and progressing in a step-by-step manner supported by ample number of solved and unsolved problems. Extra care has been taken to present the content in a modular and systematic manner - to facilitate easy understanding of all topics.

Computer Organization & Architecture 7e

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

18 years Chapter-wise & Topic-wise GATE Computer Science & Information Technology Solved Papers (2017 - 2000) with 4 Online Practice Sets - 4th Edition

Market_Desc: · Electrical engineers· Logic Designers in Computer Industry Special Features: · Provides extensive exercises for readers to work out while studying a topic· Presents up-to-date approaches in logic design in later chapters· Discusses the relationship between digital system design and computer architecture About The Book: This is an introductory-level book on the principles of digital logic design. While providing coverage to the usual topics in combinational and sequential circuit principles, it also includes a chapter on the use of the hardware description language ABEL in the design of circuits using PLDs and a chapter on computer organization.

2017 Electronics

THE BASIS FOR THE MAJOR 6-PART HBO® DOCUMENTARY SERIES #1 NEW YORK TIMES BESTSELLER A BEST BOOK OF THE YEAR: Washington Post | Maureen Corrigan, NPR | Paste | Seattle Times | Entertainment Weekly | Esquire | Slate | Buzzfeed |

Jezebel | Philadelphia Inquirer | Publishers Weekly | Kirkus Reviews | Library Journal | Bustle Winner of the Goodreads Choice Awards for Nonfiction | Anthony Award Winner | SCIBA Book Award Winner | Finalist for the Edgar Award for Best Fact Crime | Longlisted for the Carnegie Medal for Excellence The haunting true story of the elusive serial rapist turned murderer who terrorized California during the 70s and 80s, and of the gifted journalist who died tragically while investigating the case—which was solved in April 2018. The haunting true story of the elusive serial rapist turned murderer who terrorized California during the 70s and 80s, and of the gifted journalist who died tragically while investigating the case—which was solved in April 2018. Introduction by Gillian Flynn • Afterword by Patton Oswalt "A brilliant genre-buster. Propulsive, can't-stop-now reading." —Stephen King For more than ten years, a mysterious and violent predator committed fifty sexual assaults in Northern California before moving south, where he perpetrated ten sadistic murders. Then he disappeared, eluding capture by multiple police forces and some of the best detectives in the area. Three decades later, Michelle McNamara, a true crime journalist who created the popular website TrueCrimeDiary.com, was determined to find the violent psychopath she called "the Golden State Killer." Michelle pored over police reports, interviewed victims, and embedded herself in the online communities that were as obsessed with the case as she was. I'll Be Gone in the Dark—the masterpiece McNamara was writing at the time of her sudden death—offers an atmospheric snapshot of a moment in American history and a chilling account of a criminal mastermind and the wreckage he left behind. It is also a portrait of a woman's obsession and her unflagging pursuit of the truth. Utterly original and compelling, it has been hailed as a modern true crime classic—one which fulfilled Michelle's dream: helping unmask the Golden State Killer.

Previous Years' Solved Question Papers GATE General Aptitude & Engineering Mathematics 2019

This classic book on formal languages, automata theory, and computational complexity has been updated to present theoretical concepts in a concise and straightforward manner with the increase of hands-on, practical applications. This new edition comes with Gradiance, an online assessment tool developed for computer science. Please note, Gradiance is no longer available with this book, as we no longer support this product.

GATE Computer Science and Information Technology 2018

Data Structures and Algorithms in Java, Second Edition is designed to be easy to read and understand although the topic itself is complicated. Algorithms are the procedures that software programs use to manipulate data structures. Besides clear and simple example programs, the author includes a workshop as a small demonstration program executable on a Web browser. The programs demonstrate in graphical form what data structures look like and how they operate. In the second edition, the program is rewritten to improve operation and clarify the algorithms, the example programs are revised

to work with the latest version of the Java JDK, and questions and exercises will be added at the end of each chapter making the book even more useful. Educational Supplement Suggested solutions to the programming projects found at the end of each chapter are made available to instructors at recognized educational institutions. This educational supplement can be found at www.prenhall.com, in the Instructor Resource Center.

Introduction to Modern Thermodynamics

Mathematical logic is essentially related to computer science. This book describes the aspects of mathematical logic that are closely related to each other, including classical logic, constructive logic, and modal logic. This book is intended to attend to both the peculiarities of logical systems and the requirements of computer science. In this edition, the revisions essentially involve rewriting the proofs, increasing the explanations, and adopting new terms and notations. Contents:Prerequisites:SetsInductive Definitions and ProofsNotationsClassical Propositional Logic:Propositions and ConnectivesPropositional LanguageStructure of FormulasSemanticsTautological ConsequenceFormal DeductionDisjunctive and Conjunctive Normal FormsAdequate Sets of ConnectivesClassical First-Order Logic:Proposition Functions and QuantifiersFirst-Order LanguageSemanticsLogical ConsequenceFormal DeductionPrenex Normal FormAxiomatic Deduction System:Axiomatic Deduction SystemRelation between the Two Deduction SystemsSoundness and Completeness:Satisfiability and ValiditySoundnessCompleteness of Propositional LogicCompleteness of First-Order LogicCompleteness of First-Order Logic with EqualityIndependenceCompactness, Löwenheim–Skolem, and Herbrand Theorems:CompactnessLöwenheim-Skolem's TheoremHerbrand's TheoremConstructive Logic:Constructivity of ProofsSemanticsFormal DeductionSoundnessCompletenessModal Propositional Logic:Modal Propositional LanguageSemanticsFormal DeductionSoundnessCompleteness of TCompleteness of S4, B, S5Modal First-Order Logic:Modal First-Order LanguageSemanticsFormal DeductionSoundnessCompletenessEquality Readership: Computer scientists. keywords:

Education for Life and Work

Americans have long recognized that investments in public education contribute to the common good, enhancing national prosperity and supporting stable families, neighborhoods, and communities. Education is even more critical today, in the face of economic, environmental, and social challenges. Today's children can meet future challenges if their schooling and informal learning activities prepare them for adult roles as citizens, employees, managers, parents, volunteers, and entrepreneurs. To achieve their full potential as adults, young people need to develop a range of skills and knowledge that facilitate mastery and application of English, mathematics, and other school subjects. At the same time, business and political leaders are increasingly asking schools to develop skills such as problem solving, critical thinking, communication,

collaboration, and self-management - often referred to as "21st century skills." Education for Life and Work: Developing Transferable Knowledge and Skills in the 21st Century describes this important set of key skills that increase deeper learning, college and career readiness, student-centered learning, and higher order thinking. These labels include both cognitive and non-cognitive skills- such as critical thinking, problem solving, collaboration, effective communication, motivation, persistence, and learning to learn. 21st century skills also include creativity, innovation, and ethics that are important to later success and may be developed in formal or informal learning environments. This report also describes how these skills relate to each other and to more traditional academic skills and content in the key disciplines of reading, mathematics, and science. Education for Life and Work: Developing Transferable Knowledge and Skills in the 21st Century summarizes the findings of the research that investigates the importance of such skills to success in education, work, and other areas of adult responsibility and that demonstrates the importance of developing these skills in K-16 education. In this report, features related to learning these skills are identified, which include teacher professional development, curriculum, assessment, after-school and out-of-school programs, and informal learning centers such as exhibits and museums.

Algorithm Design

This book has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also subject matter experts. As a result this book would serve as a one-stop solution for any GATE aspirant to crack the examination. The book is divided into three parts covering, (1) General Aptitude, (2) Engineering Mathematics and (3) Mechanical Engineering'.

The Oxford Handbook of Organizational Psychology

Matrix Analysis

Value Relevance of Accounting Numbers in Malaysia

Organizational psychology is the science of psychology applied to work and organizations. In two volumes comprising 42 chapters written by 69 leading scholars in the field, The Oxford Handbook of Organizational Psychology is a landmark publication that rigorously compiles knowledge in organizational psychology to date, encapsulates key topics of research and application, summarizes important research findings, and identifies innovative directions for research and practice.

PG Plus

These books has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also subject matter experts. As a result these books would serve as a one-stop solution for any GATE aspirant to crack the examination. Co

Guide to Teaching Computer Science

You're a computing or information student with a huge mountain to climb – that final-year research project. Don't worry, because with this book guardian angels are at hand, in the form of four brilliant academics who will guide you through the process. The book provides you with all the tools necessary to successfully complete a final year research project. Based on an approach that has been tried and tested on over 500 projects, it offers a simple step-by-step guide to the key processes involved. Not only that, but the book also contains lots of useful information for supervisors and examiners including guidelines on how to review a final year project.

Mathematical Logic for Computer Science

GATE Civil Engineering 2018

Data Structures and Algorithms for Gate

18 years GATE Computer Science & Information Technology Chapter-wise & Topic-wise Solved Papers (2017 - 2000) is the 4th fully revised & updated edition covering fully solved past 18 years question papers (all sets totalling to 24 papers) from the year 2017 to the year 2000. The revised edition has been updated with (i) 2 sets of 2017 papers, (ii) chapters are further converted into topics, (iii) order of questions reversed from 2000-17 to 2017-00. The book has 3 sections - General Aptitude, Engineering Mathematics and Technical Section. Each section has been divided into chapters which are further divided into Topics. Aptitude - 2 parts divided into 9 Topics, Engineering Mathematics - 8 Topics and Technical Section - 11. Each chapter has 3 parts - Quick Revision Material, Past questions and the Solutions. The Quick Revision Material list the main points and the formulas of the chapter which will help the students in revising the chapter quickly. The questions are followed by detailed solutions to each and every question. In all the book contains 1800+ MILESTONE questions for GATE CSIT.

Life Sciences Set

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

(Free Sample) 22 JEE Main Online 2019 & 2020 Solved Papers with FREE 5 Online Mock Tests 3rd Edition

This title is endorsed by Cambridge Assessment International Education to support the full syllabus for examination from 2021. Develop computational thinking and ensure full coverage of the revised Cambridge Assessment International Education AS & A Level Computer Science syllabus (9618) with this comprehensive Student's Book written by experienced authors and examiners. - Improve understanding with clear explanations, examples, illustrations and diagrams, plus a glossary of key terms - Reinforce learning with a range of activities, exercises, and exam-style questions - Prepare for further study with extension activities that go beyond the requirements of the syllabus and prompt further investigation about new developments in technology - Follow a structured route through the course with in-depth coverage of the full AS & A Level syllabus Also available in the series Programming skills workbook ISBN: 9781510457683 Student eTextbook ISBN: 9781510457614 Whiteboard eTextbook ISBN: 9781510457621 Online Teacher's guide ISBN: 9781510457652

AI 2012: Advances in Artificial Intelligence

This book constitutes the refereed proceedings of the 25th Australasian Joint Conference on Artificial Intelligence, AI 2012, held in Sydney, Australia, in December 2012. The 76 revised full papers presented were carefully reviewed and selected from 196 submissions. The papers address a wide range of agents, applications, computer vision, constraints and search, game playing, information retrieval, knowledge representation, machine learning, planning and scheduling, robotics and uncertainty in AI.

Gate Computer Science Papers (R-690)

How to Think Like Bill Gates

Success in study depends not only on ability and hard work but also on effective methods of study. This book recapitulates and reinforces the basic techniques of effective self-study and enables the students to get back confidently into the

examination groove. PG PLUS has been compiled with main aim to help the student to prepare for medical post-graduate entrance examinations in a systematic way.The is divided in to 19 subjects and more than 250 topics. It contains more than 18000 original MCQs based on papers from 1978 to date, which have been arranged according to the subject and topic. Reference answers given from standard text books. This not only enhances the understanding and retaining capacity of the student, it also saves time by avoiding unnecessary repetition. Moreover the student can be confident of having covered all the aspect of a particular topic. This comprehensive volume gives all the information one needs about all the important medical entrance examinations that are held in the country.

Electronic Devices and Circuit Theory

Topic-wise Practice Tests for GATE Computer Science and Information Technology by Pearson

In the 1990's it was realized that quantum physics has some spectacular applications in computer science. This book is a concise introduction to quantum computation, developing the basic elements of this new branch of computational theory without assuming any background in physics. It begins with an introduction to the quantum theory from a computer-science perspective. It illustrates the quantum-computational approach with several elementary examples of quantum speed-up, before moving to the major applications: Shor's factoring algorithm, Grover's search algorithm, and quantum error correction. The book is intended primarily for computer scientists who know nothing about quantum theory, but will also be of interest to physicists who want to learn the theory of quantum computation, and philosophers of science interested in quantum foundational issues. It evolved during six years of teaching the subject to undergraduates and graduate students in computer science, mathematics, engineering, and physics, at Cornell University.

Computer Networking: A Top-Down Approach Featuring the Internet, 3/e

Linear algebra and matrix theory are fundamental tools in mathematical and physical science, as well as fertile fields for research. This second edition of this acclaimed text presents results of both classic and recent matrix analysis using canonical forms as a unifying theme and demonstrates their importance in a variety of applications. This thoroughly revised and updated second edition is a text for a second course on linear algebra and has more than 1,100 problems and exercises, new sections on the singular value and CS decompositions and the Weyr canonical form, expanded treatments of inverse problems and of block matrices, and much more.

Digital Logic Design Principles

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Algorithm Design introduces algorithms by looking at the real-world problems that motivate them. The book teaches students a range of design and analysis techniques for problems that arise in computing applications. The text encourages an understanding of the algorithm design process and an appreciation of the role of algorithms in the broader field of computer science. August 6, 2009 Author, Jon Kleinberg, was recently cited in the New York Times for his statistical analysis research in the Internet age.

GATE Mechanical Engineering 2018

Thesis Projects

This textbook presents both a conceptual framework and detailed implementation guidelines for computer science (CS) teaching. Updated with the latest teaching approaches and trends, and expanded with new learning activities, the content of this new edition is clearly written and structured to be applicable to all levels of CS education and for any teaching organization. Features: provides 110 detailed learning activities; reviews curriculum and cross-curriculum topics in CS; explores the benefits of CS education research; describes strategies for cultivating problem-solving skills, for assessing learning processes, and for dealing with pupils' misunderstandings; proposes active-learning-based classroom teaching methods, including lab-based teaching; discusses various types of questions that a CS instructor or trainer can use for a range of teaching situations; investigates thoroughly issues of lesson planning and course design; examines the first field teaching experiences gained by CS teachers.

Quantum Computer Science

This book covers elementary discrete mathematics for computer science and engineering. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; integer congruences; asymptotic notation and growth of functions; permutations and combinations, counting principles; discrete probability. Further selected topics may also be covered, such as recursive definition and structural induction; state machines and invariants; recurrences; generating functions.

Computing Statistics under Interval and Fuzzy Uncertainty

This book has been prepared by a group of faculties who are highly experienced in training GATE candidates and are also

subject matter experts. As a result this book would serve as a one-stop solution for any GATE aspirant to crack the examination. The bo

Mathematics for Computer Science

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION