Swapan Sarkar Discrete Mathematics

Sociological Theory Beyond the CanonDiscrete MathematicsAdvanced Computing, Networking and Informatics- Volume 2A Textbook of Discrete Mathematics, 9th EditionComputational Number TheoryManuser JannoDiscrete Mathematics with Graph Theory (Classic Version)Pattern Recognition and Machine IntelligenceDISCRETE MATHEMATICS AND GRAPH THEORYA Textbook of Discrete MathematicsInformation Systems Design and Intelligent ApplicationsSocial Transformation – Digital WayDiscrete Mathematics and Its ApplicationsAdvances in Control, Signal Processing and Energy SystemsBasic Electrical and Electronics Engineering:COMBINATORICS AND GRAPH THEORYDiscrete MathematicsSchaum's Outline of Discrete Mathematics, Revised Third EditionA First Course in Programming with CDiscrete MathematicsMapping Subaltern Studies and the Postcolonial (Mappings Series)Discrete Mathematics for Computer ScientistsDiscrete Mathematics with ApplicationsCryptographic Boolean Functions and ApplicationsDiscrete MathematicsIntroduction to Engineering.Mathematics Vol-1(GBTU)Mathematics-II (Calculus, Ordinary Differential Equations and Complex Variable)Business and Consumer AnalyticsDiscrete MathematicsPrinciples of Electrical EngineeringApplied MathematicsPyramids of MontaukDiscrete Mathematics: Theory and Applications (Revised Edition)A Textbook of Discrete MathematicsIonic Liquid-Based Surfactant ScienceAutophagyDiscrete Mathematical Structures with Applications to Computer ScienceDiscrete

MathematicsMathematics for ComputingA Textbook Of Discrete Mathematics

Sociological Theory Beyond the Canon

Part of Verso's classic Mapping series that collects the most important writings on key topics in a changing world. Inspired by Antonio Gramsci's writings on the history of subaltern classes, the authors in Mapping Subaltern Studies and the Postcolonial sought to contest the elite histories of Indian nationalists by adopting the paradigm of 'history from below'. Later on, the project shifted from its social history origins by drawing upon an eclectic group of thinkers that included Edward Said, Roland Barthes, Michel Foucault, and Jacques Derrida. This book provides a comprehensive balance sheet of the project and its developments, including Ranajit Guha's original subaltern studies manifesto, Partha Chatterjee, Dipesh Chakrabarty and Gayatri Spivak.

Discrete Mathematics

During WWII there was an attempt to achieve invisibility called the Philadelphia Experiment. Afterward occurred the now famous time travel experiments named after the underground base at Montauk Point on Long Island. Now this third book in the Montauk series summarises the events of the first two books and then takes

the reader on an even more spectacular journey. The discovery of ancient pyramids at Montauk leads to a connection with Ancient Egypt and its position as a gateway to other dimensions. Like a psychic detective story beyond the occult, venture into an unprecedented investigation of the mystery schools of the earth and their connection to Egypt, Atlantis, Mars and the star Sirius. Chapters on new psychotronic weapons, the history of Mars, the strange death of Ian Fleming in connection with the Philadelphia Experiment, underground at the Montauk Base.

Advanced Computing, Networking and Informatics- Volume 2

Discrete Mathematics is a textbook designed for the students of computer science engineering, information technology, and computer applications to help them develop the foundation of theoretical computer science.

A Textbook of Discrete Mathematics, 9th Edition

This book contains a judicious mix of concepts and solved examples that make it ideal for the beginners taking the Discrete Mathematics course. Features Exhaustive coverage of Set Theory. Comprehensive coverage of Graph Theory and Combinatorics. Excellent discussion of Group theory applications-Coding. Detailed explanation of the solution procedure of the worked examples. Pedagogy includes

341 solved examples 566 short answer questions 556 descriptive questions Over 500 figures and tables

Computational Number Theory

Manuser Janno

Cryptographic Boolean Functions and Applications, Second Edition is designed to be a comprehensive reference for the use of Boolean functions in modern cryptography. While the vast majority of research on cryptographic Boolean functions has been achieved since the 1970s, when cryptography began to be widely used in everyday transactions, in particular banking, relevant material is scattered over hundreds of journal articles, conference proceedings, books, reports and notes, some of them only available online. This book follows the previous edition in sifting through this compendium and gathering the most significant information in one concise reference book. The work therefore encompasses over 600 citations, covering every aspect of the applications of cryptographic Boolean functions. Since 2008, the subject has seen a very large number of new results, and in response, the authors have prepared a new chapter on special functions. The new edition brings 100 completely new references and an expansion of 50 new

pages, along with heavy revision throughout the text. Presents a foundational approach, beginning with the basics of the necessary theory, then progressing to more complex content Includes major concepts that are presented with complete proofs, with an emphasis on how they can be applied Includes an extensive list of references, including 100 new to this edition that were chosen to highlight relevant topics Contains a section on special functions and all-new numerical examples

Discrete Mathematics with Graph Theory (Classic Version)

This book expands the sociological canon by introducing non-Western and female voices, and subjects the existing canon itself to critique. Including chapters on both the 'founding fathers' of sociology and neglected thinkers it highlights the biases of Eurocentrism and androcentrism, while also offering much-needed correctives to them. The authors challenge a dominant account of the development of sociological theory which would have us believe that it was only Western European and later North American white males in the nineteenth and early twentieth century who thought in a creative and systematic manner about the origins and nature of the emerging modernity of their time. This integrated and contextualised account seeks to restructure the ways in which we theorise the emergence of the classical sociological canon. This book's global scope fills a significant lacuna and provides a unique teaching resource to students of classical sociological theory.

Pattern Recognition and Machine Intelligence

C is a popular programming language which is commonly used by scientists and engineers to write programs for any specific application. C is also a widely accepted programming language in the software industries. This beginner's guide to computer programming is for student programmers to effectively write programs for solving numerical problems. All that is required of a beginner programmer is not experience in computing but interest in computing. The programs illustrated in the book have been accumulated, experimented and tested by the author during his teaching of the subject to a few thousand students in over a decade. In addition, numerous problems are adapted form university question papers. Short questions and answers and objective questions are an added feature. All these would build confidence of the students and those appearing for interview/viva voce in a practical lab. The special topic of the book is C graphics and animation which helps students develop simple programs to generate geometrical and graphical objects.

DISCRETE MATHEMATICS AND GRAPH THEORY

This comprehensive and self-contained text provides a thorough understanding of the concepts and applications of discrete mathematics and graph theory. It is

written in such a manner that beginners can develop an interest in the subject. Besides providing the essentials of theory, the book helps develop problem-solving techniques and sharpens the skill of thinking logically. The book is organized in two parts. The first part on discrete mathematics covers a wide range of topics such as predicate logic, recurrences, generating function, combinatorics, partially ordered sets, lattices, Boolean algebra, finite state machines, finite fields, elementary number theory and discrete probability. The second part on graph theory covers planarity, colouring and partitioning, directed and algebraic graphs. In the Second Edition, more exercises with answers have been added in various chapters. Besides, an appendix on languages has also been included at the end of the book. The book is intended to serve as a textbook for undergraduate engineering students of computer science and engineering, information communication technology (ICT), and undergraduate and postgraduate students of mathematics. It will also be useful for undergraduate and postgraduate students of computer applications. KEY FEATURES • Provides algorithms and flow charts to explain several concepts. • Gives a large number of examples to illustrate the concepts discussed. • Includes many worked-out problems to enhance the student's grasp of the subject. • Provides exercises with answers to strengthen the student's problem-solving ability. AUDIENCE • Undergraduate Engineering students of Computer Science and Engineering, Information communication technology (ICT) • Undergraduate and Postgraduate students of Mathematics. • Undergraduate and Postgraduate students of Computer Applications.

A Textbook of Discrete Mathematics

The book is based on research presentations at the international conference, "Emerging Trends in Applied Mathematics: In the Memory of Sir Asutosh Mookerjee, S.N. Bose, M.N. Saha and N.R. Sen", held at the Department of Applied Mathematics, University of Calcutta, during 12–14 February 2014. It focuses on various emerging and challenging topics in the field of applied mathematics and theoretical physics. The book will be a valuable resource for postgraduate students at higher levels and researchers in applied mathematics and theoretical physics. Researchers presented a wide variety of themes in applied mathematics and theoretical physics—such as emergent periodicity in a field of chaos; Ricci flow equation and Poincare conjecture; Bose–Einstein condensation; geometry of local scale invariance and turbulence; statistical mechanics of human resource allocation: mathematical modelling of job-matching in labour markets; contact problem in elasticity; the Saha equation; computational fluid dynamics with applications in aerospace problems; an introduction to data assimilation, stochastic analysis and bounds on noise for Holling type-II model, graph theoretical invariants of chemical and biological systems; strongly correlated phases and quantum phase transitions of ultra cold bosons; and the mathematical modelling of breast cancer treatment.

Information Systems Design and Intelligent Applications

Social Transformation – Digital Way

The Ideas of Discrete Mathematics are the fundamental to the science and technology specific to the computer age.thhis book is primarily designed to provied an introduction to some fundamental concepts in Discrete Mathematics for the students of graduate and postgraduate on computer science as well as the students of diploma and degree level in computer engineering.The students assigned with BCA and MCA Programs and IT related other professional courses may also be benefitted.

Discrete Mathematics and Its Applications

Combinatorics and Graph Theory is designed as a textbook for undergraduate students of computer science and engineering and postgraduate students of computer applications. The book seeks to introduce students to the mathematical concepts needed to develop abstract thinking and problem solving—important prerequisites for the study of computer science. The book provides an exhaustive

coverage of various concepts and remarkable introduction of several topics of combinatorics and graph theory. The book presents an informative exposure for beginners and acts as a reference for advanced students. It highlights comprehensive and rigorous views of combinatorics and graphs. The text shows simplicity and step-by-step concepts throughout and is profusely illustrated with diagrams. The real-world applications corresponding to the topics are appropriately highlighted. The chapters have also been interspersed throughout with numerous interesting and instructional notes. Written in a lucid style, the book helps students apply the mathematical tools to computer-related concepts and consists of around 600 worked-out examples which motivate students as a self-learning mode.KEY FEATURES Contains various exercises with their answers or hints. Lays emphasis on the applicability of mathematical structures to computer science. Includes competitive examinations' questions asked in GATE, NET, SET, etc

Advances in Control, Signal Processing and Energy Systems

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Basic Electrical and Electronics Engineering:

This book explains the basic principles of Discrete Mathematics and Structures in a clear systematic manner. A contemporary approach is adopted throughout the book. The book is divided in five sections. First section discusses Set Theory, Relations and Functions, Probability and Counting Techniques; second section is about Recurrence Relations and Propositional Logic; third section is related to Lattices and Boolean algebra; fourth section includes study of Graph and Trees and the last section is about Algebraic Structures and Finite State Machines. Suitable examples, illustrations and exercises are included throughout the book to facilitate an easier understanding of the subject. The book would serve as a comprehensive text for students of Computer Science & Engineering, Computer Applications and Information Technologies.

COMBINATORICS AND GRAPH THEORY

This book comprises select proceedings of the National Conference on Control, Signal Processing, Energy and Power Systems (CSPES 2018). The book covers topics on both theoretical control systems and their applications across engineering domains such as automatic control, robotics, and adaptive controller design. It discusses several signal processing domains such as image, speech, biomedical signal processing and their applications in IOT, control, robotics, power and energy systems. The book emphasizes both conventional and non-conventional energy, environment, and green processes as related to energy and

power systems engineering. The contents of this book will prove to be useful for students, researchers, academics, and professionals.

Discrete Mathematics

Tough Test Questions? Missed Lectures? Not Enough Time? Fortunately for you, there's Schaum's Outlines. More than 40 million students have trusted Schaum's to help them succeed in the classroom and on exams. Schaum's is the key to faster learning and higher grades in every subject. Each Outline presents all the essential course information in an easy-to-follow, topic-by-topic format. You also get hundreds of examples, solved problems, and practice exercises to test your skills. This Schaum's Outline gives you: Practice problems with full explanations that reinforce knowledge Coverage of the most up-to-date developments in your course field In-depth review of practices and applications Fully compatible with your classroom text, Schaum's highlights all the important facts you need to know. Use Schaum's to shorten your study time-and get your best test scores! Schaum's Outlines-Problem Solved.

Schaum's Outline of Discrete Mathematics, Revised Third Edition

This book constitutes the refereed proceedings of the Third International Conference on Pattern Recognition and Machine Intelligence, PReMI 2009, held in New Delhi, India in December 2009. The 98 revised papers presented were carefully reviewed and selected from 221 initial submissions. The papers are organized in topical sections on pattern recognition and machine learning, soft computing andapplications, bio and chemo informatics, text and data mining, image analysis, document image processing, watermarking and steganography, biometrics, image and video retrieval, speech and audio processing, as well as on applications.

A First Course in Programming with C

The Ideas of Discrete Mathematics are the fundamental to the science and technology specific to the computer age.thhis book is primarily designed to provied an introduction to some fundamental concepts in Discrete Mathematics for the students of graduate and postgraduate on computer science as well as the students of diploma and degree level in computer engineering.The students assigned with BCA and MCA Programs and IT related other professional courses may also be benefitted.

Discrete Mathematics

This book constitutes the refereed proceedings of the 52nd Annual Convention of the Computer Society of India, CSI 2017, held in Kolkata, India, in January 2018. The 59 revised papers presented were carefully reviewed and selected from 157 submissions. The theme of CSI 2017, Social Transformation – Digital Way, was selected to highlight the importance of technology for both central and state governments at their respective levels to achieve doorstep connectivity with its citizens. The papers are organized in the following topical sections: Signal processing, microwave and communication engineering; circuits and systems; data science and data analytics; bio computing; social computing; mobile, nano, quantum computing; data mining; security and forensics; digital image processing; and computational intelligence.

Mapping Subaltern Studies and the Postcolonial (Mappings Series)

This volume will be summarized on the basis of the topics of Ionic Liquids in the form of chapters and sections. It would be emphasized on the synthesis of ILs of different types, and stabilization of amphiphilic self-assemblies in conventional and newly developed ILs to reveal formulation, physicochemical properties, microstructures, internal dynamics, thermodynamics as well as new possible applications. It covers: Topics of ionic liquid assisted micelles and microemulsions

in relation to their fundamental characteristics and theories Development bio-ionic liquids or greener, environment-friendly solvents, and manifold interesting and promising applications of ionic liquid based micelles and micremulsions

Discrete Mathematics for Computer Scientists

Developed from the author's popular graduate-level course, Computational Number Theory presents a complete treatment of number-theoretic algorithms. Avoiding advanced algebra, this self-contained text is designed for advanced undergraduate and beginning graduate students in engineering. It is also suitable for researchers new to the field and pract

Discrete Mathematics with Applications

The second international conference on INformation Systems Design and Intelligent Applications (INDIA – 2015) held in Kalyani, India during January 8-9, 2015. The book covers all aspects of information system design, computer science and technology, general sciences, and educational research. Upon a double blind review process, a number of high quality papers are selected and collected in the book, which is composed of two different volumes, and covers a variety of topics, including natural language processing, artificial intelligence, security and privacy,

communications, wireless and sensor networks, microelectronics, circuit and systems, machine learning, soft computing, mobile computing and applications, cloud computing, software engineering, graphics and image processing, rural engineering, e-commerce, e-governance, business computing, molecular computing, nano computing, chemical computing, intelligent computing for GIS and remote sensing, bio-informatics and bio-computing. These fields are not only limited to computer researchers but also include mathematics, chemistry, biology, bio-chemistry, engineering, statistics, and all others in which computer techniques may assist.

Cryptographic Boolean Functions and Applications

Discrete Mathematics and its Applications, Seventh Edition, is intended for one- or two-term introductory discrete mathematics courses taken by students from a wide variety of majors, including computer science, mathematics, and engineering. This renowned best-selling text, which has been used at over 500 institutions around the world, gives a focused introduction to the primary themes in a discrete mathematics course and demonstrates the relevance and practicality of discrete mathematics to a wide a wide variety of real-world applications from computer science to data networking, to psycholo.

Discrete Mathematics

Advanced Computing, Networking and Informatics are three distinct and mutually exclusive disciplines of knowledge with no apparent sharing/overlap among them. However, their convergence is observed in many real world applications, including cyber-security, internet banking, healthcare, sensor networks, cognitive radio, pervasive computing amidst many others. This two-volume proceedings explore the combined use of Advanced Computing and Informatics in the next generation wireless networks and security, signal and image processing, ontology and human-computer interfaces (HCI). The two volumes together include 148 scholarly papers, which have been accepted for presentation from over 640 submissions in the second International Conference on Advanced Computing, Networking and Informatics, 2014, held in Kolkata, India during June 24-26, 2014. The first volume includes innovative computing techniques and relevant research results in informatics with selective applications in pattern recognition, signal/image processing and HCI. The second volume on the other hand demonstrates the possible scope of the computing techniques and informatics in wireless communications, networking and security.

Introduction to Engineering.Mathematics Vol-1(GBTU)

Discrete Mathematics is designed to serve as a textbook for undergraduate engineering students of computer science and postgraduate students of computer applications. The book would also prove useful to post graduate students of mathematics. It seeks to provide a thorough understanding of the subject and present its practical applications tol computer science.

Mathematics-II (Calculus, Ordinary Differential Equations and Complex Variable)

Starting in the early 1970s, a type of programmed cell death called apoptosis began to receive attention. Over the next three decades, research in this area continued at an accelerated rate. In the early 1990s, a second type of programmed cell death, autophagy, came into focus. Autophagy has been studied in mammalian cells for many years. The recen

Business and Consumer Analytics

Originally published in 2006, reissued as part of Pearson's modern classic series.

Discrete Mathematics

Mathematics-II (Calculus, Ordinary Differential Equations and Complex Variable) for the paper BSC-104 of the latest AICTE syllabus has been written for the second semester engineering students of Indian universities. Paper BSC-104 is common for all streams except CS&E students. The book has been planned with utmost care in the exposition of concepts, choice of illustrative examples, and also in sequencing of topics. The language is simple, yet accurate. A large number of worked-out problems have been included to familiarize the students with the techniques to solving them, and to instil confidence. Authors' long experience of teaching various grades of students has helped in laying proper emphasis on various techniques of solving difficult problems.

Principles of Electrical Engineering

Discrete Mathematics will be of use to any undergraduate as well as post graduate courses in Computer Science and Mathematics. The syllabi of all these courses have been studied in depth and utmost care has been taken to ensure that all the essential topics in discrete structures are adequately emphasized. The book will enable the students to develop the requisite computational skills needed in software engineering.

Applied Mathematics

This two-volume handbook presents a collection of novel methodologies with applications and illustrative examples in the areas of data-driven computational social sciences. Throughout this handbook, the focus is kept specifically on business and consumer-oriented applications with interesting sections ranging from clustering and network analysis, meta-analytics, memetic algorithms, machine learning, recommender systems methodologies, parallel pattern mining and data mining to specific applications in market segmentation, travel, fashion or entertainment analytics. A must-read for anyone in data-analytics, marketing, behavior modelling and computational social science, interested in the latest applications of new computer science methodologies. The chapters are contributed by leading experts in the associated fields.The chapters cover technical aspects at different levels, some of which are introductory and could be used for teaching. Some chapters aim at building a common understanding of the methodologies and recent application areas including the introduction of new theoretical results in the complexity of core problems. Business and marketing professionals may use the book to familiarize themselves with some important foundations of data science. The work is a good starting point to establish an open dialogue of communication between professionals and researchers from different fields. Together, the two volumes present a number of different new directions in Business and Customer Analytics with an emphasis in personalization of services, the development of new mathematical models and new algorithms, heuristics and metaheuristics applied to the challenging problems in the field. Sections of the book have introductory

material to more specific and advanced themes in some of the chapters, allowing the volumes to be used as an advanced textbook. Clustering, Proximity Graphs, Pattern Mining, Frequent Itemset Mining, Feature Engineering, Network and Community Detection , Network-based Recommending Systems and Visualization, are some of the topics in the first volume. Techniques on Memetic Algorithms and their applications to Business Analytics and Data Science are surveyed in the second volume; applications in Team Orienteering, Competitive Facility-location, and Visualization of Products and Consumers are also discussed. The second volume also includes an introduction to Meta-Analytics, and to the application areas of Fashion and Travel Analytics. Overall, the two-volume set helps to describe some fundamentals, acts as a bridge between different disciplines, and presents important results in a rapidly moving field combining powerful optimization techniques allied to new mathematical models critical for personalization of services. Academics and professionals working in the area of business anyalytics, data science, operations research and marketing will find this handbook valuable as a reference. Students studying these fields will find this handbook useful and helpful as a secondary textbook.

Pyramids of Montauk

Provides computer science students with a foundation in discrete mathematics using relevant computer science applications.

Discrete Mathematics: Theory and Applications (Revised Edition)

A Textbook of Discrete Mathematics

This approachable text studies discrete objects and the relationsips that bind them. It helps students understand and apply the power of discrete math to digital computer systems and other modern applications. It provides excellent preparation for courses in linear algebra, number theory, and modern/abstract algebra and for computer science courses in data structures, algorithms, programming languages, compilers, databases, and computation. * Covers all recommended topics in a self-contained, comprehensive, and understandable format for students and new professionals * Emphasizes problem-solving techniques, pattern recognition, conjecturing, induction, applications of varying nature, proof techniques, algorithm development and correctness, and numeric computations * Weaves numerous applications into the text * Helps students learn by doing with a wealth of examples and exercises: - 560 examples worked out in detail - More than 3,700 exercises - More than 150 computer assignments - More than 600 writing projects * Includes chapter summaries of important vocabulary, formulas, and properties, plus the chapter review exercises * Features interesting anecdotes and biographies

of 60 mathematicians and computer scientists * Instructor's Manual available for adopters * Student Solutions Manual available separately for purchase (ISBN: 0124211828)

Ionic Liquid-Based Surfactant Science

Discrete Mathematics: Theory and Applications (Revised Edition) offers a refreshing alternative for the undergraduate Discrete Mathematics course. In this revised text, the authors, Dr. Malik and Dr. Sen, employ a classroom-tested, student-focused approach that is conducive to effective learning. Each chapter motivates students through the use of real-world, concrete examples. Ample exercise sets provide alternative practice to allow students to apply what they learn, while programming exercises in each chapter allow opportunities for computer science application. This text is a true blend of theory and applications.

Autophagy

Discrete Mathematical Structures with Applications to Computer Science

This textbook provides an introduction to some fundamental concepts in Discrete Mathematics and the important role this subject plays in computer science. Every topic in this book has been started with necessary introduction and developed gradually up to the standard form. The book lays emphasis on the applicability of Mathematical structures to computer science. The content of this book is well supported with numerous solved examples with detailed explanation

Discrete Mathematics

Mathematics for Computing

Discrete mathematics is a compulsory subject for undergraduate computer scientists. This new edition includes new chapters on statements and proof, logical framework, natural numbers and the integers and updated exercises from the previous edition.

A Textbook Of Discrete Mathematics

For B.E./B.Tech. / B.Arch. Students for First Semester of all Engineering Colleges of Maha Maya Technical University, Noida and Gautam Buddha Technical University,

Lucknow

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