A TEXTBOOK OF DISCRETE MATHEMATICS

For B.E./B. Tech., B.Sc., M.Sc. (Computer Science), BCA, MCA and Computer Related Other Professional Courses



Dr. SWAPAN KUMAR SARKAR

S. CHAND

Discrete Mathematics Swapan Kumar Sarkar Pdf

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A Textbook of Discrete Mathematics, 9th Edition Sarkar, Swapan Kumar, 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 Krishna R. Kumar, 2005-12

Discrete Mathematics Babu Ram, 2012 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 **Discrete Mathematics** Iyengar, N.Ch. S.N./Chandrasekaran V.M./Venkalesh K.A. & Arunachalam P.S., 2003-11-01 Student friendly and comprehensive this book covers topics such as Mathematical Logic Set Theory Algebraic Systems Boolean Algebra and Graph Theory that are essential to the study of Computer Science in great detail A Textbook of Discrete Mathematics DR. SWAPAN KUMAR SARKAR, This comprehensive textbook offers a rigorous yet accessible introduction to fundamental concepts in discrete mathematics designed for undergraduate and graduate students in computer science computer engineering including diploma and degree levels BCA MCA and other IT related professional programs ADVANCED DISCRETE MATHEMATICS UDAY SINGH RAJPUT, 2012-05-26 Written in an accessible style Mathematics, this text provides a complete coverage of discrete mathematics and its applications at an appropriate level of rigour The book discusses algebraic structures mathematical logic lattices Boolean algebra graph theory automata theory grammars and recurrence relations It covers the important topics such as coding theory Dijkstra's shortest path algorithm reverse polish notation Warshall's algorithm Menger's theorem Turing machine and LR k parsers which form a part of the fundamental applications of discrete mathematics in computer science In addition Pigeonhole principle ring homomorphism field and integral domain trees network flows languages and recurrence relations. The text is supported with a large number of examples worked out problems and diagrams that help students understand the theoretical explanations The book is intended as a text for postgraduate students of mathematics computer science and computer applications In addition it will be extremely useful for the undergraduate students of computer science and engineering **Discrete Mathematics** Rajendra Akerkar, Rupali Akerkar, 2004-09 **Discrete Mathematics** P. Geetha, 2010 The objective of this textbook is to give a comprehensive treatment of the major topics in discrete mathematics emphasizing their applicability to problems in a highly technological world This textbook contains plenty of worked out examples and lots of problems in the exercises Hints are provided for tough problems enabling the students to try them Questions from the previous university question papers

have been solved This book covers the complete curriculum requirements of B E M E MCA and M Sc Software Engineering Discrete Mathematics | Fifth Edition | For Anna University | By Pearson P. Sivaramakrishna Das, C. courses Vijayakumari, Discrete Mathematics 5E is designed to provide students with extended logical and mathematical maturity and the ability to deal with abstraction The text introduces the basic terminologies used in computer science courses and application of ideas to solve practical problems The concepts of combinatorics and graph theory applications of algebraic structures and the significance of lattices and Boolean Algebra have been dealt in detail The text is also bundled with a supplement that includes frequently asked questions and answers Discrete Mathematics for Undergraduates J. P. Singh.2013 *Discrete Mathematics* P.K. Mittal, 2004-01-01 Discrete Mathematics with Applications, Metric Discrete Mathematics Dr. K. Umamaheswara Rao, Dr. M. Nagapavani, Dr. Divvela **Edition** Susanna S. Epp, 2019 Srinivasa Rao, Mr. Anil Kumar ,2025-09-08 Discrete Mathematics is the study of mathematical structures that are fundamentally countable or distinct rather than continuous It provides the foundational concepts and tools used in computer science information technology and related fields Key topics include logic set theory combinatorics graph theory relations functions and discrete probability Discrete mathematics is essential for designing algorithms analyzing computational processes modeling networks and developing cryptography and database systems Its principles underpin modern computing and digital system design DISCRETE MATHEMATICS B. R. THAKUR, V. K. GUPTA, GAJENDRA UJJAINKAR, RAM PRASAD RP UNIFIED RPP GANIT THAKUR KISHAN DISCRETE MATHEMATICS, THIRD EDITION CHANDRASEKARAN, N., UMAPARVATHI, M., 2022-04-04 Written with a strong pedagogical focus the third edition of the book continues to provide an exhaustive presentation of the fundamental concepts of discrete mathematical structures and their applications in computer science and mathematics It aims to develop the ability of the students to apply mathematical thought in order to solve computation related problems The book is intended not only for the undergraduate and postgraduate students of mathematics but also most importantly for the students of Computer Science Engineering and Computer Applications The book is replete with features which enable the building of a firm foundation of the underlying principles of the subject and also provides adequate scope for testing the comprehension acquired by the students Each chapter contains numerous worked out examples within the main discussion as well as several chapter end Supplementary Examples for revision The Self Test and Exercises at the end of each chapter include a large number of objective type questions and problems respectively Answers to objective type questions and hints to exercises are also provided All these pedagogic features together with thorough coverage of the subject matter make this book a readable text for beginners as well as advanced learners of the subject NEW TO THIS EDITION Question Bank consisting of questions from various University Examinations Updated chapters on Boolean Algebra Graphs and Trees as per the recent syllabi followed in Indian Universities TARGET AUDIENCE BE B Tech Computer Science and Engineering MCA M Sc Computer Science Mathematics

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