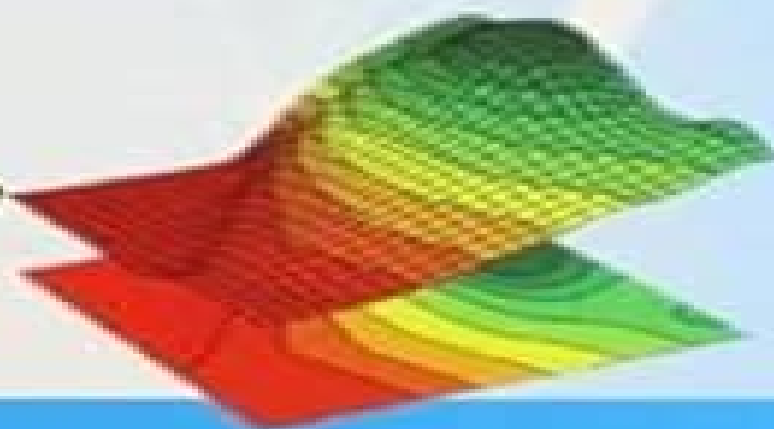


Revised Edition

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 By Swapan Kumar Sarkar

**Iyengar, N.Ch. S.N./Chandrasekaran
V.M./Venkalesh K.A. & Arunachalam
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Mathematics for B E Course which cater to the needs of the first and the second year students The present book is to meet the requirements of the students of the fifth semester the need of which was being felt very anxiously In the treatment we have tried to maintain the same style as used in the other three volumes All the topics have been covered comprehensively but with clarity in lucid and easy way to grasp There is a good number of fully solved examples with exercises to be worked out at the end of each chapter

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,2005 **Discrete Mathematics** Krishna R. Kumar, 2005-12 **Referativnyi zhurnal** ,1979 *Discrete Mathematics* ,

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both in terms of theory and implementations hence it deserves a thorough treatment which is not adequately found in any other contemporary books on discrete mathematics whereas about 40% of this textbook is devoted to graph theory The text follows an algorithmic approach for discrete mathematics and graph problems where applicable to reinforce learning and to show how to implement the concepts in real world applications **Discrete Mathematics** S. K. Chakraborty, B. K.

Sarkar, 2011-02-10 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 to computer science *DISCRETE MATHEMATICS* B. R. THAKUR, V. K. GUPTA, GAJENDRA UJJAINKAR, RAM PRASAD RP

UNIFIED RPP GANIT THAKUR KISHAN Fundamental Approach to Discrete Mathematics D. P. Acharjya, 2009 About the Book The book Fundamental Approach to Discrete Mathematics is a required part of pursuing a computer science degree at most universities It provides in depth knowledge to the subject for beginners and stimulates further interest in the topic The salient features of this book include Strong coverage of key topics involving recurrence relation combinatorics Boolean algebra graph theory and fuzzy set theory Algorithms and examples integrated throughout the book to bring clarity to the fundamental concepts Each concept and definition is followed by thoughtful examples **Discrete Mathematical**

Structures B. V. Senthil Kumar, Hemen Dutta, 2019-07-08 This book contains fundamental concepts on discrete mathematical structures in an easy to understand style so that the reader can grasp the contents and explanation easily The concepts of discrete mathematical structures have application to computer science engineering and information technology including in coding techniques switching circuits pointers and linked allocation error corrections as well as in data networking Chemistry Biology and many other scientific areas The book is for undergraduate and graduate levels learners and educators associated with various courses and programmes in Mathematics Computer Science Engineering and Information Technology The book should serve as a text and reference guide to many undergraduate and graduate programmes offered by many institutions including colleges and universities Readers will find solved examples and end of chapter exercises to enhance reader comprehension Features Offers comprehensive coverage of basic ideas of Logic Mathematical Induction Graph Theory Algebraic Structures and Lattices and Boolean Algebra Provides end of chapter solved examples and practice problems Delivers materials on valid arguments and rules of inference with illustrations Focuses on algebraic structures to enable the reader to work with discrete structures

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