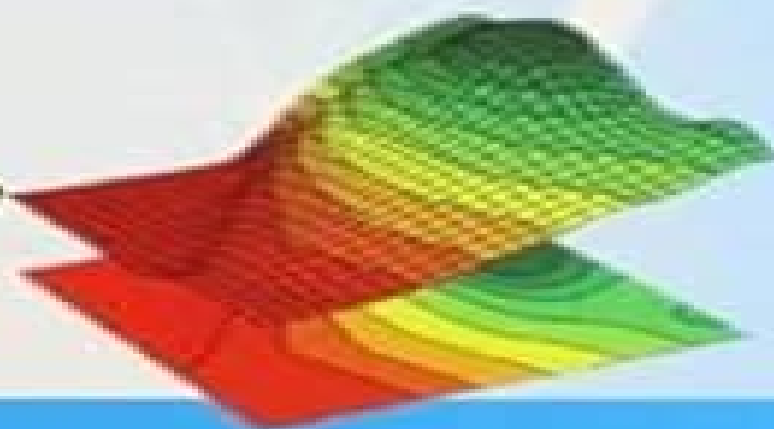


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# A TEXTBOOK OF **DISCRETE MATHEMATICS**

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**

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**Rachel Sandford**



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mathematical induction division algorithm and the Euclidean algorithm with suitable examples and exercises     *Discrete Mathematics* Prabhat Kr. Choudhary, Prabhat Kumar Choudhary, 2010-09-09     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     *Book Data for Discrete Mathematics* Sonal Patil, 1st, 2021-06-04 All the data which is generated needs processing and for that all mathematical modeling are also required It is necessary to study all about discrete mathematics while dealing with all methodologies of networking Compiler Theory of Computer Science This book explains discrete mathematics at a level appropriate for second year undergraduate students Bachelor of Engineering and Technology Master of Computer Applications and Master of Science Mathematics degree level The book began as a set of notes for the Discrete Mathematics course This course serves both as a survey of the topics in discrete math and as the bridge course for math majors The contents of the book are of course mathematical but they have many applications in Computer Science and Electronics The book is self sufficient and requires minimal mathematical computer science prerequisites The concepts and basic theory presented in the text would be sufficient to understand advanced computer science applications     **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     *Discrete Mathematics* , 2014     **Basics of discrete mathematics** Rakesh Kumar Pandey,     Discrete Mathematics , 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     A Textbook Of Discrete

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