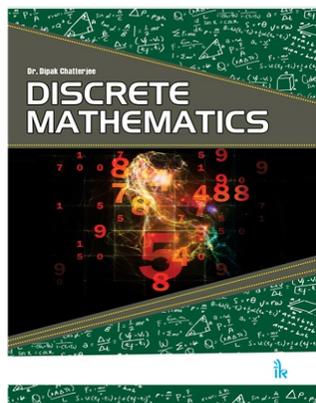


Discrete Mathematics

Dipak Chatterjee



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About the Book

The text is an excellent exposition of the essentials of Discrete Mathematics. This book is a product of long experience of teaching the subject in M.C.A. and B. Tech. courses in Calcutta University and the Institute of Engineering and Management for a number of years. The contents include propositional calculus, number theory, permutations and combinations, probability theory and graph theory. The groups, rings, fields and integral domains have come up for discussion as natural habitats of the domain of discrete mathematics. A sufficient amount of theory is included for those who enjoy the beauty of development of the subject and a wealth of applications as well for those who enjoy the power of problem solving techniques. Hopefully the students will benefit from the nice balance between the two. Apart from this the students will also enjoy the solved problems demonstrating various techniques.

Salient Features

Simple, precise and rigorous presentation.
 Sufficient number of worked examples provided to clarify and illustrate various concepts and facts.
 The exercises are mostly graded and motivating.
 Plenty of exercises are appended at the end of each chapter to test the understanding of the subject.

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About the Author

Dipak Chatterjee :- An educationist and scholar Dr. D. Chatterjee started his career at St. Xavier's College, Kolkata as a Lecturer. Subsequently, he became Reader and finally retired from there as a Distinguished Professor and Head of Mathematics Department. Apart from St. Xavier's where he taught for 32 years, he also taught in Calcutta University, IGNOU, IISWBM, NSO. University and many engineering colleges and management institutes. After retiring at sixty from St. Xavier's College he worked as the principal of the Institute of Engineering & Management for almost eight years and then became the Vice Chancellor of the S. S. University, a post he held for two years. He completed his Ph.D. from Indian Statistical Institute and Calcutta University. The courses he taught include Ph.D., M.Phil, M.Tech, M.Sc., M.B.A., M.C.A, M.Com, B.Tech, B.Sc, B.B.A., B.C.A., B.Com. Apart from many awards, he won the Mother Teresa Award in the year 2019 .

He is a prolific writer and researcher contributing over 250 research articles and 35 books almost all published by renowned publishers of India and abroad.