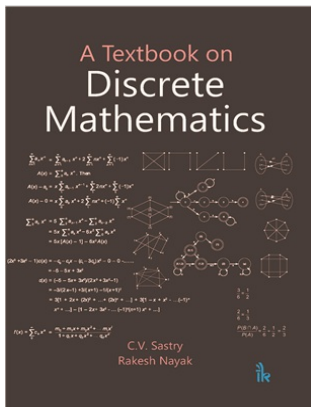


A Textbook on Discrete Mathematics, 1/e

C V Sastry & Rakesh Nayak



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About the Book

This book attempts to put together all the essential topics of discrete mathematical structures for easy reference. The undergraduate students of computer science and engineering, postgraduate students of computer applications and computer science and engineering will find this book very useful. It contains several multiple-choice questions under each chapter which will be useful for those who aspire to write the GATE examination. This book could be a good textbook for undergraduate students of Computer Science, Computer Science and Engineering and postgraduate students of Computer Applications.

Salient Features

Covers all the important topics of discrete mathematics making it a good textbook.
 Proofs of all important theorems have been given.
 Concepts are well supported with suitable examples and diagrams.
 Includes review questions as well as MCQs with answers.
 Critical examples with stepwise explanations, makes it a great instructor resource.

Table of Contents

1. Logic
 2. Sets, Relations and Functions
 3. Posets and Lattices Principle Probability
 4. Algebras
 5. Graph Theory
 6. Generating Functions and Recurrence Relations
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C V Sastry :- retired from Regional Engineering College, Rourkela, presently known as National Institute of Technology after working for several years in various capacities in the department of Mathematics and Computer Science. He has guided several students for their Ph.D degrees in theoretical Physics and Computer Science. He visited Imperial College, London as a visiting faculty and was also Guest Scientist at International Center for Theoretical Physics, Trieste. Italy. He is presently honorary director at Regency Institute of Technology, Yanam.

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