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Discrete Mathematical Structures

By Y.N. Singh

Wiley India Pvt. Ltd, 2010. Softcover. Book Condition: New. This book has been prepared as per the UP Technical University syllabus offered to the B Tech CS/IT students. The methods and techniques are illustrated by suitable examples. Emphasis is given on the applications of discrete structures in computer science. Discrete structures include important materials such as Set Theory, Proving Methods, Algebraic Structures, Logic, Graphs, Trees, Recurrences and Combinatorics. It is also useful for other Indian universities because it comprehensively covers the course on Discrete Mathematics/Discrete Theory for Computer Science. The contents cater to the needs of PG students of Computer Science at UPTU and other Indian universities as well as students of MCA. The book can also be used for other national competitive exams such as GATE/JRF. Chapter 1 Set Theory Exercises Chapter 2 Relations Exercises Chapter 3 Functions Exercises Chapter 4 Natural Numbers Exercises Chapter 5 Algebraic Structures Exercises Chapter 6 Lattices Exercises Chapter 7 Boolean Algebra Exercises Chapter 8 Propositional Logic Exercises Chapter 9 Trees Exercises Chapter 10 Graphs Exercises Chapter 11 Recurrence Relations Exercises Chapter 12 Generating Functions Exercises Chapter 13 Combinatorics Exercises Printed Pages: 364.



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