



Mathematics for JEE (Main and Advanced): Algebra, Volume 1

By Dr G.S.N. Murti, Dr U.M. Swamy

Wiley India Pvt. Ltd, 2013. Softcover. Book Condition: New. 22 x 28 cm. The book has a two-fold advantage: (a) Conceptual strength provided by accurate, precise but sufficient coverage of topics; (b) solved and unsolved problems as per IIT-JEE pattern for strengthening concepts. The main idea is to make students understand the theory behind to enable them to strategize a given problem and tactically solve it. The topics covered in this volume are: Sets, Relations and Functions; Exponentials and Logarithms; Complex Numbers; Quadratic Numbers; Progressions, Sequences and Series; Permutations and Combinations; Binomial Theorem; Matrices, Determinants and System of Equations; Partial Fractions. Chapter 1: Sets, Relations and Functions 1.1 Sets: Definition and Examples 1.2 Set Operations 1.3 Venn Diagrams 1.4 Relations 1.5 Equivalence Relations and Partitions 1.6 Functions 1.7 Graph of a Function 1.8 Even Functions and Odd Functions Worked-Out Problems Summary Exercises Answers Chapter 2: Exponentials and Logarithms 2.1 Exponential Function 2.2 Logarithmic Function 2.3 Exponential Equations 2.4 Logarithmic Equations 2.5 Systems of Exponential and Logarithmic Equations 2.6 Exponential and Logarithmic Inequalities Worked-Out Problems Summary Exercises Answers Chapter 3: Complex Numbers 3.1 Ordered Pairs of Real Numbers 3.2 Algebraic Form $a + ib$ 3.3 Geometric Interpretation 3.4 The Trigonometric Form...



READ ONLINE
[2.18 MB]

Reviews

This is the finest book i have got study till now. It usually does not price a lot of. I found out this publication from my i and dad encouraged this book to understand.

-- **Jamil Collins**

Absolutely among the best book I have possibly go through. I have go through and that i am certain that i am going to gonna read through once again again in the future. I am just delighted to tell you that this is basically the finest book i have got go through within my personal existence and could be he finest book for ever.

-- **Brian Bauch**