A Course of Mathematical Analysis

By Shanti Narayan,Dr. P.K. Mittal

S. Chand & Company Ltd 0. Softcover. Book Condition: New. 5th or later edition. I. REAL NUMBERS : 1. Introduction : Set-Theoretic Notation and Terminology 2. Finite and Infinite Sets 3. Fundamental Properties of the Set of Rational Numbers 4. Dedekind`s Construction of the System of Real Numbers Sections of Rational Numbers 5. Set of Real Numbers 6. Order Structure of the Set of Real Numbers 7. Algebraic Structure of the Set R 8. The Sets of Rational and Real Rational Numbers Isomorphism 9. Restatement of the Basic Properties of R. 10. Representation of Real Numbers by Points Along a Straight Line II. BOUNDED SETS, OPEN AND CLOSED SETS : 1. Closed Intervals, Open Intervals, Semi-closed or Semi-open Intervals 2. Sets Bounded above and Sets Bounded Below. Bounded Sets 3. Limit Points of a Set 4. Closed Sets 5. Compact Sets. Heine-Borel Theorem III. REAL SEQUENCES : 1. Notion of a Function. Domain and Range of a Function 2. Bounded Sequences 3. Convergent Sequences 4. Non-convergent Sequences 5. Algebraic Operations and Limits 6. Sub-sequences of a Sequence 7. Theorem on Nested Intervals 8. Infinite Series : Its Convergence and Sum 9. The Meaning of a* When a > 0, and...

READ ONLINE
[2.96 MB]

Reviews

Absolutely essential read publication. it absolutely was writtern very completely and valuable. It is extremely difficult to leave it before concluding, once you begin to read the book.
-- Sarai Lebsack

Thorough guide for book enthusiasts. I am quite late in start reading this one, but better then never. Your lifestyle span will be transform when you total reading this article book.
-- Lindsey Larson