



## Comprehensive Engineering Mathematics (AMIE)

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By N.P. Bali

Laxmi Publications Pvt. Ltd, 2008. Softcover. Book Condition: New. 5th or later edition. The book has been specially written for AMIE section A Non-diploma aspirants strictly in accordance with the latest syllabus. The author has endeavoured to present the fundamental concepts in a comprehensive and lucid manner. An outstanding and distinguishing feature of the book is the large number of typical solved examples followed by well-graded exercises for practice. Questions from previous papers have been inserted at proper places. The book is complete in all respects. Contents: GROUP A Unit 1 (Calculus of Functions of One Variable) 0. Recapitulation (Differential Calculus) 1. Successive Differentiation 2. Leibnitz`s Theorem 3. Rolle`s Theorem and Mean Value Theorems 4. Taylor`s and Maclaurin`s Expansion Theorems 0. Recapitulation (Integral Calculus) 5. Fundamental Theorem of Integral Calculus 6. Elementary Reduction Formulae for Integrals 7. Lengths of Curves 8. Areas of Plane Curves 9. Volumes and Surfaces of Solids of Revolution 10. Moments of Centre of Gravity 11. Infinite Series Unit 2 (Calculus of Functions of Several Variables) 1. Partial Derivatives 2. Maxima and Minima 3. Multiple Integrals Unit 3 (Vector Calculus) 1. Vector Calculus Unit 4 (Linear Algebra) 1. Linear Algebra GROUP B Unit 1 (Ordinary Differential...



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