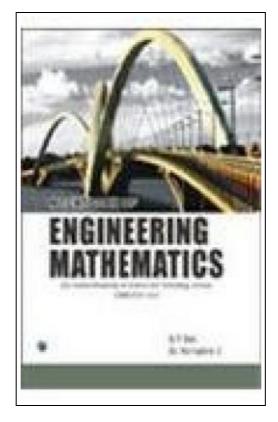
# A Textbook of Engineering Mathematics (CUST, Kerala) Sem-I & II



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Laxmi Publications Pvt. Ltd, 2011. Softcover. Book Condition: New. First edition. The book meets the requirements of students of B.Tech. first year classes of Cochin University Syllabus. The underlying object of this book is to provide the readers with thorough understanding of topics included in the syllabus of mathematics for engineering students. SPECIAL FEATURES This book exactly covers the prescribed syllabus. Its approach is explanatory and language is lucid and communicable. All fundamentals of the included topics are very clearly explained. Sufficient number of solved examples have been given to let the students understand the various skills necessary to solve the problems. Applications in different Engineering fields and in real life have been incorporated in the text to help to face similar problems. Contents: MODULE-I (Differential Equations and Applications) 1. Differential Equations of First Order 2. Applications of Differential Equations of First Order 3. Linear Differential Equations 4. Applications of Linear Differential Equations MODULE-II (Infinite Series and Power Series) 5. Infinite Series 6. Power Series MODULE-III (Parital Differentiation and Co-ordinate Systems) 7. Partial Differentiation and Applications 8. Co-ordinate Systems MODULE-IV (Integral Calculus) 9. Application of Definite Integrals-Rectification 10. Quadrature 11. Volumes of Solids of Revolution 12. Surface of Solids of Revolution 13. Beta and Gamma Functions 14. Multiple Integrals Appendix-I: List of Important Formulae Appendix-II: Some Important Curves Printed Pages: 541.

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