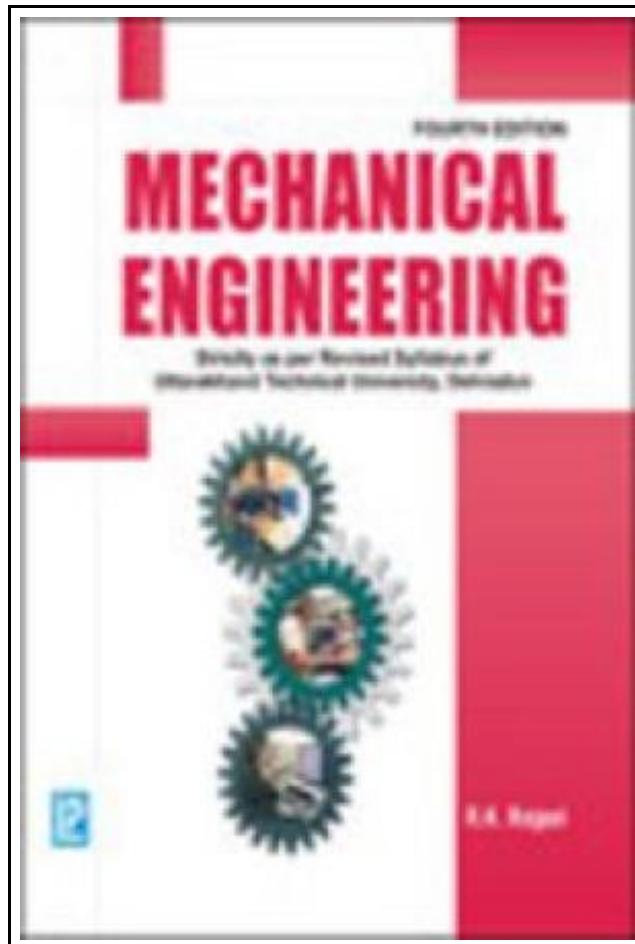


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MECHANICAL ENGINEERING: UTTARAKHAND TECHNICAL UNIVERSITY



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Laxmi Publications Pvt. Ltd, 2006. Softcover. Book Condition: New. 4th edition. This book has been written specifically to meet exhaustively the requirements of the syllabus of the subject Mechanical Engineering for B.E. first year examination of Uttarakhand Technical University, Dehradun. This book is divided into two parts: Part A and Part B. Part A (Thermodynamics) consists of Unit I, Unit II and contains six chapters. Part B (Mechanics and Strength of Materials) consists of Unit III, Unit IV, Unit V and contains eight chapters. Salient Features: The presentation of the subject matter is very systematic and the language of the text is lucid, direct and easy to understand. Each chapter of the book is saturated with much needed text supported by neat and self-explanatory diagrams to make the subject self-speaking to a great extent. A large number of properly graded, solved examples have been added in various chapters to enable the students to attempt different types of questions in the examination without any difficulty. At the end of each chapter Highlights, Objective Type Questions, Theoretical Questions and Unsolved Examples have been added to make the book a complete unit in all respects. Contents: Part A : THERMODYNAMICS 1. Basic Concepts of Thermodynamics 2. First Law of Thermodynamics 3. Second Law of Thermodynamics and Entropy 4. Properties of Steam 5. Gas Power Cycles 6. Internal Combustion Engines Part B : MECHANICS AND STRENGTH OF MATERIALS 7. Basic Concepts of Mechanics and Force Systems 8. Friction 9. Bending Moments and Shearing Forces 10. Analysis of Trusses 11. Simple Stresses and Strains 12. Principal Stresses and Strains 13. Bending Stresses 14. Torsion of Circular Shafts Question Papers with "Solutions" Steam Tables and Mollier Diagram Printed Pages: 678.



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