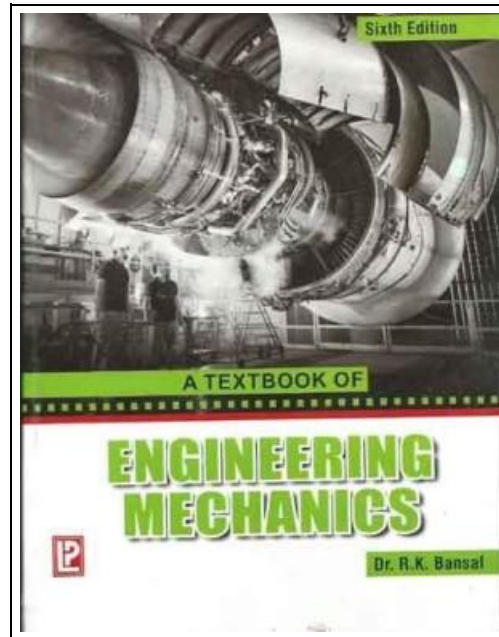


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Reviews

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A TEXTBOOK OF ENGINEERING MECHANICS



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Laxmi Publications Pvt. Ltd, 2008. Softcover. Condition: New. 5th or later edition. The course contents of the fifth edition of the book entitled "Engineering Mechanics" are planned in such a way that the book covers the complete course of first year Engineering students of all branches of Engineering. This edition has been thoroughly revised and made up-to-date. In the fifth edition, the following additions have been made : 1. A chapter on Shear Force and Bending Moment has been added to meet the curriculum requirements of many universities. 2. Polar moment of inertia, product of inertia, principal moment of inertia and mass moment of inertia have been added in Moment of Inertia chapter. 3. Friction of Flat bearing, pivot bearing and collared bearing have been included in Friction chapter. 4. Collision of Elastic Bodies has been explained in more detail. The book is written in a simple and easy-to-follow language, so that even an average student can grasp the subject by self-study. At the end of each chapter, highlights, theoretical questions and many unsolved problems with answers are given for the students to solve them. Contents: PART I - STATICS 1. Fundamentals of Engineering Mechanics 2. Coplanar Collinear and Concurrent Forces 3. Coplanar Parallel Forces 4. Conditions of Equilibrium 5. Support Reactions 6. Analysis of Perfect Frames 7. Centre of Gravity and Moment of Inertia 8. Friction 9. Lifting Machines 10. Virtual Work 11. Belts, Ropes and Chain Drives PART II - DYNAMICS 12. Kinematics of Linear Motion 13. Kinematics of Curvilinear Motion, Circular Motion, Rotation and Translation 14. Projectiles 15. Kinematics of Rigid Bodies and Laws of Motion 16. Simple Harmonic Motion and Mechanical Vibrations 17. Collision of Elastic Bodies 18. Work, Power and Energy 19. Forces in Space 20. Beams (Shear Force and Bending Moment) Printed Pages: 781.



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