Engineering Mechanics By Uc Jindal

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Contents: Fundamentals Of Engineering Mechanics; Vector Algebra; Some Vector Quantities In Mechanics; Equivalent Force Systems; Equilibrium Of Rigid Bodies; Plane Trusses; Centroid And Centre Of Gravity; Friction; Application Of Friction In Machines; Moment Of Intertia; Simple Machines; Experiments In Statics; Simple Stresses And Strains; Composite Bars And Temperature Stresses; Principal Stresses And Strains; Relations Between Elastic Constants; Thin Cylindrical And Spherical Shells; Shear Force And Bending Moment Diagrams; Theory Of Simple Bending; Shear Stresses In Beams Combined Bending & Direct Stresses; Deflection Of Beams
??Holt,Rinchart and Winston 1983??????. -- ??: Modern digital and analog communication systems/B. P. Lathi
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In SI Units, the book presents exhaustive exposition of the subject. Physical concepts have been clearly explained through illustrations alongwith relevant

mathematical derivations. This book contains 360 solved examples. This book contains 150 multiple choice questions. Important topics like Vector quantities, Equivalent force systems, Trusses, Application of friction and virtual work have been discussed in details. There are solved, unsolved complicated problems, useful for competitive examinations such as GATE, IES, and Civil Services. There are 4 Test Papers for self examination by students.

Engineering Mechanics : Statics Part 1Galgotia Publications

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In the present book an attempt has been made to reach out engineering students at large to make them understand the concept of Engineering Mechanics through the concepts of Mechanics (in Physics) studied at 10 + 2 level of senior secondary examination. Salient Features of the Books:- (1) In SI units, the book represents exhaustive exposition of the subject, i.e., Engineering Mechanics. (2) Physical concepts have been well explained through illustrations along with derivation. (3) The book contains more than 500 solved examples. (4) Important topics as vector quantities, equivalent force systems, friction, trusses, SF and BM diagrams, curvilinear motion, impulse-moment, twisting and bending moments have been discussed in details. (5) There are solved, unsolved complicated problems useful for competitive examination.

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Strength of Materials deals with the study of the effect of forces and moments on the deformation of a body. This book follows a simple approach along with numerous solved and unsolved problems to explain the basics followed by advanced concepts such as three dimensional stresses, the theory of simple bending, theories of failure, mechanical properties, material testing and engineering materials.

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Machine Design is a text on the design of machine elements for the engineering undergraduates of mechanical/production/industrial disciplines. The book provides a comprehensive survey of machine elements and their analytical design methods. Besides explaining the fundamentals of the tools and techniques necessary to facilitate design calculations, the text includes extensive data on various aspects of machine elements, manufacturing considerations and materials. The extensive pedagogical features make the text student friendly and provide pointers for fast recapitulation.

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