



Basics of Mechanics

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Product Description

Basics of Mechanics “Basics of Mechanics” is a fundamental subject for UG Civil and Mechanical Engineering students, designed to build logical, analytical, and problem-solving skills essential for tackling Mechanics problems. This book presents fundamental concepts in a clear and accessible manner, enriched with numerous figures and visual aids. It thoroughly explains the core principles and includes leading examples that smoothly transition to advanced theories. The main focus is on applying engineering structures to solve real-world engineering challenges. Supplementary information provided to ignite the young minds and motivate in a systematic way. Salient features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, practical applications etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, and tables are inserted to improve clarity of the topics.
- Apart from essential information, a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students at the end of every chapter.
- Numerous solved and unsolved problems including numerical examples are demonstrated with systematic steps.



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