



Textbook of Engineering Physics (Part I)

Mahesh C. Jain

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Description Primarily intended for the first-year undergraduate students of all branches of engineering, this textbook provides a sound understanding of the fundamental concepts and principles of physics in a simple and easy-to-understand style.

This textbook is organized in ten chapters covering the modules of the syllabus corresponding to interference of light, diffraction, polarization, optical instruments, laser, fibre optics, mechanics and special theory of relativity. Apart from giving a detailed theoretical analysis of the topics, various pedagogical aids such as solved numerical problems and Review Questions are also included at the end of each chapter. An effort has been made to ensure that all the topics taught in a single semester are presented within a single volume.

The book is written in accordance with the syllabi prescribed by the Guru Gobind Singh Indraprastha University and University of Delhi, but the topics covered in this book are also prescribed in the syllabi of almost all the universities and institutes. Therefore, the text will be useful for all the first-year engineering students studying in Indian Universities as well as Foreign Universities.

KEY FEATURES

- Numerous unsolved problems in each chapter for the thorough understanding of the concepts and laws developed in the chapter
- Key Concepts at the end of each chapter for quick revision
- Review Questions, Numerical Problems and Objective Questions based on the pattern of Previous years' Examination papers
- Detailed discussion on modern applications such as laser techniques, holograms and fibre optics.

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