



## Engineering Physics (4th Revised edition)

By Uma Mukherji

Alpha Science International Ltd. Hardback. Book Condition: new. BRAND NEW, Engineering Physics (4th Revised edition), Uma Mukherji, ENGINEERING PHYSICS is designed as a textbook for first year engineering students of a two semester course in Applied Physics according to new revised syllabus. However the scope of this book is not only limited to undergraduate engineering students and science students, it can also serve as a reference book for practicing scientists. Advanced technological topics like LCD, Squid, Maglev system, Electron microscopes, MRI, Photonics - Photonic fibre, Nano-particles, CNT, Quantum computing etc., are explained with basic underlying principles of Physics. This text explained following topics with numerous solved, unsolved problems and questions from different angles. Part-I contains crystal structure, Liquid crystal, Thermo-electric effect, Thermionic emission, Ultrasonic, Acoustics, semiconductor and magnetic materials. Whereas Part-2 contains Optics, X-rays, Electron optics, Dielectric materials, Quantum Physics and Schrodinger wave equation, Laser, Fibre-optics and Holography, Radio-activity, Super-conductivity, Nano-science, Photonic-crystal, NMR - Spectroscopy. NEW TO THE FOURTH EDITION: \* Dielectric materials \* Solar cell \* Photonic crystal.



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