



Optoelectronic Devices and Systems (2nd Revised edition)

By S. C. Gupta

Prentice-Hall of India Pvt.Ltd. Paperback. Book Condition: new. BRAND NEW, Optoelectronic Devices and Systems (2nd Revised edition), S. C. Gupta, Now in its second edition, this textbook offers an up-to-date and in-depth introduction to the principles and applications of optoelectronic devices and systems. The text gives a detailed description of optical fibre waveguides, optical fibre cables and their characteristics, manufacturing process and drawing of optical fibres. In addition, it deals with photon sources, photon detectors, fibre optics as a medium and LAN and WAN systems, short and long haul optical fibre communication systems, electro-optic modulators and their characteristics. The second edition includes a new section on Optical Fibre Based Broadband High Speed Network. Also included is a new chapter on Intensity Dependent Refractive Index Effect that discusses the effect of focusing on spatial and temperature profiles in a non-linear crystal medium. This chapter further explains the various physical phenomena, such as the creation of sharp opaque filaments, irradiation induced damaging of the crystal, oscillatory waveguide propagation, saturation effects and other properties. Primarily intended for the undergraduate students of electronics and communication engineering, the book will also be useful to the postgraduate students of physics. Key features: Provides comprehensive explanation of...



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