



Electronic Devices and Circuits

By Balbir Kumar, Shail B. Jain

PHI Learning, 2010. Softcover. Book Condition: New. 15 x 23 cm. Designed as a text for the students of various engineering streams such as electronics/electrical engineering, electronics and communication engineering, computer science and engineering, IT, instrumentation and control and mechanical engineering, this well-written text provides an introduction to electronic devices and circuits. It introduces to the readers electronic circuit analysis and design techniques with emphasis on the operation and use of semiconductor devices. It covers principles of operation, the characteristics and applications of fundamental electronic devices such as p-n junction diodes, bipolar junction transistors (BJTs), and field effect transistors (FETs). What distinguishes this text is that it explains the concepts and applications of the subject in such a way that even an average student will be able to understand working of electronic devices, analyze, design and simulate electronic circuits. This comprehensive book provides : ? A large number of solved examples. ? Summary highlighting the important points in the chapter. ? A number of Review Questions at the end of each chapter. ? A fairly large number of unsolved problems with answers. CONTENTS: Preface. 1. Semiconductor Physics. 2. The p-n Junction Diode. 3. Applications of Diodes. 4. Bipolar Junction Transistors...



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