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Electronic Devices and Circuits (Second Edition)

By Balbir Kumar, Shail B. Jain

PHI Learning 0. Softcover. Book Condition: New. 2nd edition. 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), and special purpose diodes and transistors. In its second edition, the book includes a new chapter on ?special purpose devices? 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:...



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