



## Analog Electronic Devices: Theory and Practicals

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## Product Description

**Analog Electronic Devices: Theory and Practicals** This book gives detailed description about quantum Mechanics, quantum theory of solids, semiconductor material physics, and semiconductor device physics together. Logical organization and a wide variety of problems with their step-by-step solutions makes this book a perfect offering on the subject. Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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- Semiconductor Diodes
- Application of Diode
- Bipolar Junction Transistor
- Field Effect Transistor
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