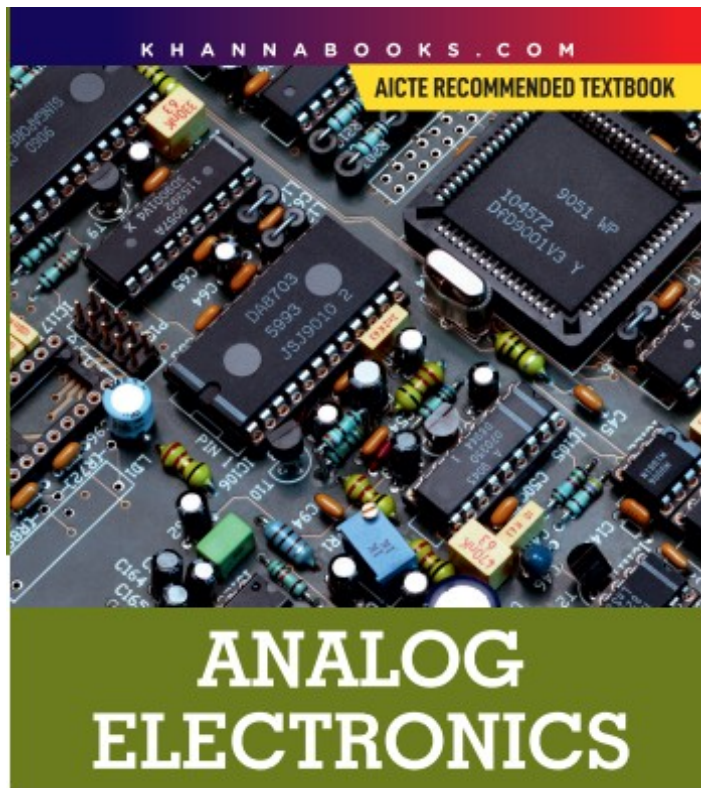




A. K. Maini | Varsha Agrawal

Analog Electronics

Author :	A.K. Maini
ISBN 13 :	978-93-86173-58-4
ISBN 10 :	93-86173-58-1
E-ISBN 13 :	978-93-86173-58-4
Edition :	First
Pages :	664
Type of book :	Paperback
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 750.00
Categories :	Electrical, Electronics & Communication Engineering
Condition Type :	New
Country Origin :	India

Product Description

Analog Electronics is a complete and yet concise textbook on Analog Electronics covering Semiconductor Devices and associated circuits. Major topics covered in the book include Semiconductor device fundamental, Small signal and Large signal analysis of amplifiers, Low and High frequency response of amplifiers, Sinusoidal and Non-sinusoidal oscillators, feedback amplifiers, Operational amplifiers and application circuits, D/A and A/D converters and finally Switched capacitor circuits. the contents are strictly as per the syllabus as prescribed by AICTE. the book is replete with Solved problems and Self-evaluation exercises including Multiple choice question with answers.

Table of Contents

Chapter 1: Semiconductor Diodes-Fundamentals, Types and Circuits. **Chapter 2:** Bipolar Junction Transistor. **Chapter 3:** Field- Effect Transistors. **Chapter 4:** Small Signal Analysis of Amplifiers. **Chapter 5:** Multistage Amplifiers. **Chapter 6:** Large Signal Amplifiers. **Chapter 7:** Feedback Amplifiers. **Chapter 8:** Oscillators-Sinusoidal and Non-Sinusoidal. **Chapter 9:** Introduction to Operational Amplifiers. **Chapter 10:** Op amp Circuits. **Chapter 11:** Digital-to-Analog and Analog-to-Digital Converters. **Chapter 12:** Switched Capacitor Circuits. **INDEX**

Authors

A.K. Maini Dr. Anil K. Maini served Defence Research and Development Organization (DRDO) for 36 years in different capacities. Before superannuation, he served as Director of Laser Science and Technology Centre (DRDO) from September 2008 to Jun 2014. His areas of expertise include Optoelectronic simulators and sensors, Laser systems, Electro-optic countermeasures and High voltage electronics, He has authored and co-authored 15 books more than 150 publications in national/international journals/magazines and has 12 patents (four granted, eight pending) to his credit Currently, he is Consultant in Defence Technologies. **Varsha Agrawal** Varsha Agrawal is a Senior Scientist with DRDO. She has more than 19 year of R&D experience in Laser Systems, Optronics sensor systems and Embedded electronics. She has authored and co-authored five books and has large number of publications in national and international journals/magazines and has one patent to her credit.

