

Electronic Devices and Circuits

6th Edition

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G. K. Mithal



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Electronic Devices and Circuits Cheruku Dharma Raj, Cheruku, 2008 **Compr. Linear and Digital Integrated Circuits Design*** A. Sudhakar, 2001 **Electronic Devices and Circuits** G. K. Mithal, 1997 Principles of Electronic Devices & Circuits BL Theraja | RS Sedha, 2007 In this book we have included more examples tutorial problems and objective test questions in almost all the chapters The chapter on Optoelectronic Devices has been expanded to include more application examples in the area of optical fibre networks The chapter on Regulated Power Supply carries more detailed study of fixed positive Fixed negative and adjustable linear IC voltage regulators as well as switching voltage regulator The topic on OP AMPs has been separated from the chapter on integrated Circuits A new chapter is prepared on OP AMPs and its Applications The Chapter on OP AMPs and its Applications includes OP AMP based Oscillator circuits active filters etc

Electronic Devices and Circuits S. K. Sahdev, 1996 **Electronics Devices And Circuits** Mithal G K, **Electronic Devices and Circuits** G. K. Mithal, Mittal Ravi, 1990 Electronic Devices and Circuits Anil K. Maini, Varsha Agrawal, 2009
Special Features The book comprehensively covers fundamentals operational aspects and applications of discrete semiconductor devices such as diodes bipolar transistors field effect transistors unijunction transistors and thyristors and optoelectronic devices in the discrete devices category and detail explanation of operational amplifiers is covered in the linear integrated circuits category The text is written in a lucid style and uses reader friendly language The layout of the text is very methodical with sections and sub sections making reading easy and interesting from beginning to end of each chapter Each chapter concludes in a comprehensive self evaluation exercise comprising objective type questions with answers review questions and numerical problems with answers The text has sufficient worked problems design examples review questions and self evaluation exercises for each chapter Adequate study material and self evaluation exercises are included to help students in both conventional and competitive exams About The Book Understanding basic operational and applications of electronic devices is fundamental in understanding the functional and design aspects of electronics techniques sub system or system irrespective of whether it is analog or digital The study of electronics devices and circuits is essential since majority of electronics systems have both analog and digital content Though present day electronics is dominated by linear and digital integrated circuits the importance of discrete devices cannot be undervalued as they continue to be used in large numbers in a variety of electronic circuits In addition understanding operational basics of these devices makes it easier to understand more complex integrated circuits This textbook covers electronic devices and circuits in entirety for undergraduate and graduate level courses This study is pertinent for students of electronics electrical communication instrumentation and control information technology and even computer science engineering *ELECTRONIC DEVICES AND CIRCUITS, SECOND EDITION* KUMAR, BALBIR, JAIN, SHAIL B. , 2014-01-01 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

Electronic Devices and Circuits Gyanendra K Mithal,1992 **Electronic Devices & Circuits** S. Rama Reddy,2004

Electronic Devices and Circuits ,2006 Designed As A Textbook For Undergraduate Students This Text Provides A Thorough Treatment Of The Fundamental Concepts Of Electronic Devices And Circuits All The Fundamental Concepts Of The Subject Including Integrated Circuit Theory Are Covered Extensively Along With Necessary Illustrations Special Emphasis Has Been Placed On Circuit Diagrams Graphs Equivalent Circuits Bipolar Junction Transistors And Field Effect Transistors

Basic Electronic Devices and Circuits G. K. Mithal,1997 **Electronic Devices and Circuits** K. Lal Kishore,2005

Electronic Devices and Circuits : For the Students of JNTU Hyderabad Ramana Pilla & Chitambara Rao Karedla, This book is designed based on the revised Syllabus of JNTU Hyderabad for the undergraduate B Tech BE Students of all branches The book helps to understand the basic principles of Semiconductor Diode Rectifiers Bipolar Junction Transistor Field Effect Transistor Clippers Clampers and Special Purpose Devices The contents of this book are presented in a simple way for easy understanding of students and can be used as self study material **A Textbook of Applied Electronics (LPSPE)** Sedha R.S.,2022-01-03 For close to 30 years A Textbook of Applied Electronics has been a comprehensive text for undergraduate students of Electronics and Communications Engineering The book comprises of 35 chapters all delving on important concepts such as structure of solids DC resistive circuits PN junction PN junction diode rectifiers and filters hybrid parameters power amplifiers sinusoidal oscillators and time base circuits In addition the book consists of several chapter wise questions and detailed diagrams to understand the complex concepts of applied electronics better This book is also becomes an essential read for aspirants preparing for competitive examinations like GATE and NET **Electronic devices and circuits** Jitendra Kumar,2017

Electronic Devices and Circuits P. Ramesh Babu,2009 **Electronic Devices and Circuits** Anil Kumar Maini,2019 **Fundamentals of Electronic Devices and Circuits** G.S. Tomar,Ashish

Bagwari,2019-10-10 This book focuses on conceptual frameworks that are helpful in understanding the basics of electronics what the feedback system is the principle of an oscillator the operational working of an amplifier and other relevant topics It

also provides an overview of the technologies supporting electronic systems like OP AMP transistor filter ICs and diodes It consists of seven chapters written in an easy and understandable language and featuring relevant block diagrams circuit diagrams valuable and interesting solved examples and important test questions Further the book includes up to date illustrations exercises and numerous worked examples to illustrate the theory and to demonstrate their use in practical designs

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