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Basic Electrical and Electronics Engineering
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ELECTRICAL ENGINEERING IN CONTEXT: SMART DEVICES, ROBOTS & COMMUNICATIONS by bestselling author Roman Kuc describes the basic components and technologies that make today's computer-assisted systems operate and cooperate, inviting the reader to understand by participating in the design process. Directed at the undergraduate electrical engineering student, this book

starts with the basics and requires a working knowledge of algebra. Rather than simple plug-and-chug exercises, the book teaches sophisticated problem-solving and design tools. Students will learn through designing digital displays, extracting information from signals, and optimizing system performance through parameter value selection and observing graphical data displays. Animations showing dynamic system behavior and relating to the book figures are available through the book's companion site. At the completion of the course, students will have an understanding of the capabilities of current digital devices and ideas for possible new

applications. This will benefit students in other courses requiring quantitative skills and in their profession. To help accomplish this tall order, the book is written in a graduated intensity that can be adapted to the specific needs and talents of each student: Basic commands and graphs are used in first-level problems that illustrate device performance while varying parameter values and in designs that are open-ended, driven by student curiosity. Some problems can be solved using software packages, but many exercises are for paper and pencil solution. MATLAB based examples and problems are also included for users comfortable with computer

programming.
 Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Construction Engineering and Management Tata McGraw-Hill Education

Offers key concepts of electrical machines embedded with solved examples, review questions, illustrations and open book questions.

PHI Learning Pvt. Ltd.

Real-world engineering problems are rarely, if ever, neatly divided into mechanical, electrical, chemical, civil, and other categories. Engineers from all disciplines eventually encounter computer and electronic controls and

instrumentation, which require at least a basic knowledge of electrical and other engineering specialties, as well as associated economics, and environmental, political, and social issues. Co-authored by Charles Gross—one of the most well-known and respected professors in the field of electric machines and power engineering—and his world-renowned colleague Thad Roppel, *Fundamentals of Electrical Engineering* provides an overview of the profession for engineering professionals and students whose specialization lies in areas other than electrical. For instance, civil engineers must contend with commercial electrical service and lighting

design issues. Mechanical engineers have to deal with motors in HVAC applications, and chemical engineers are forced to handle problems involving process control. Simple and easy-to-use, yet more than sufficient in rigor and coverage of fundamental concepts, this resource teaches EE fundamentals but omits the typical analytical methods that hold little relevance for the audience. The authors provide many examples to illustrate concepts, as well as homework problems to help readers understand and apply presented material. In many cases, courses for non-electrical engineers, or non-EEs, have presented watered-down classical EE material, resulting in unpopular courses that students hate and senior faculty members understandingly avoid teaching. To remedy this situation—and create more well-rounded practitioners—the authors focus on the true EE needs of non-EEs, as determined through their own teaching experience, as well as significant input from non-EE faculty. The book provides several important contemporary interdisciplinary examples to support this approach. The result is a full-color modern narrative that bridges the various EE and non-EE curricula and serves as a truly relevant course that students and faculty can both enjoy.

Electrical Engineering in Context: Smart Devices, Robots & Communications

Jaico Publishing House

The book is meant for for B.E./B.Tech./B.Sc. (Engg.) students of Indian universities. Theoretical portions have been explained in simple language, together with large number of illustrative diagrams. Contains many tutorial problems drawn from various universities. Also included is a special feature test your understanding and know the type of theoretical questions asked in the examinations.

A.C. & D.C. machines
Cambridge University Press

This book is a collection of selected

peer-reviewed papers presented at the International Conference on Signal Processing and Communication (ICSC 2018). It covers current research and developments in the fields of communications, signal processing, VLSI circuits and systems, and embedded systems. The book offers in-depth discussions and analyses of latest problems across different sub-fields of signal processing and communications. The contents of this book will prove to be useful for students, researchers, and professionals working in electronics and electrical engineering, as well as other allied fields.

Power Electronics S.

Chand Publishing

This Book Presents A Practical-Oriented, Sound, Modularized Coverage Of Fundamental Topics Of Basic Electrical Engineering, Network Analysis & Network Theorems, Electromagnetism & Magnetic Circuit, Alternating Current & Voltages, Electrical Measurement & Measuring Instrument And Electric Machines. Salient Features: # Clarification Of Basic Concepts # Several Solved Examples With Detailed Explanation # At The End Of Chapters, There Are Descriptive And Numerical Unsolved Problems # Written In Very Simple Language And Suitable For Self-Study # Step-By-Step Procedures Given For

Solving Numerical

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Basic Electrical Engineering Springer

Divided into four parts: circuits, electronics, digital systems, and electromagnetics, this text provides an understanding of the fundamental principles on which modern electrical engineering is based. It is suitable for a variety of electrical engineering courses, and can also be used as a text for an introduction to electrical engineering.

Basic Electrical and Electronics Engineering: S. Chand

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering

to easily

Fundamentals of Electrical Engineering & Electronics
Cambridge University Press

A Textbook of Electrical Technology (Vol. IV) Multicolor pictures have been added to enhance the content value and give to the students an idea of what he will be dealing in reality and to bridge the gap between theory and practice. A notable feature is the inclusion of chapter on Flip-Flops and related Devices as per latest development in the subject. Latest tutorial problems and objective type questions specially for GATE have been included at relevant places.

In International System SI of Units KHANNA PUBLISHING HOUSE

“Engineering Fluid Dynamics 2018”. The topic of engineering fluid dynamics includes both experimental as well as computational studies. Of special interest were submissions from the fields of mechanical, chemical, marine, safety, and energy engineering. We welcomed both original research articles as well as review articles. After one year, 28 papers were submitted and 14 were accepted for publication. The average processing time was 37.91 days. The authors had the following geographical distribution: China (9); Korea (3); Spain (1); and India (1). Papers covered a wide range of topics, including analysis of fans, turbines, fires in tunnels, vortex

generators, deep sea mining, as well as pumps.

All-in-One Electronics Simplified Cambridge University Press

Although, a number of books, written by various authors on the subject are available in the market. However, the author feels that this book will facilitate the students not only to prepare for the regular University examinations. The book is also quite suitable for the professionals since many live examples have been incorporated. The book has the following exclusive features: (i) The Learning objectives of each chapter have been incorporated in the beginning to develop curiosity among the students. (ii) Practice

exercise have been added in all the chapters after suitable intervals to impart necessary practice. (iii) At the end of each chapter, its summary highlights are given. This will enable the students to revise the subject matter quickly. (iv) A number of short answer and test questions have been given at the end of each chapter. While answering these questions, the readers will have to think deep into the subject matter. This will improve their analytical approach. Consequently, the students/readers will be in position to respond in a better way while appearing before the selection board or to deal with practical problems. (v) A sufficient number of objective type

questions (MCQ) have been given at the end of each chapter. These questions will help the students to perform better in the competitive examinations. (vi) The subject matter is treated in a simple and lucid manner so that an average student can understand the subject easily. Although, typical mathematical expressions are avoided but simple mathematical relations are used for better explanation and understanding.

Hints For Self Culture
Oxford Series in
Electrical and
Computer Engineering

The text of the first edition has been extensively revised and supplemented to bring it up to date

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Principles and Applications Tata McGraw-Hill Education

With the presence of enhanced pedagogical features, the text will help readers in understanding fundamental concepts of electronics

engineering.

Basic Electrical Engineering Basic Electrical Engineering

Electronic Devices and Circuits is designed specifically to cater to the needs of the students of B.Tech. in Electronics and Communication

Engineering. The book has a perfect blend of focused content and complete coverage.

Simple, easy-to-understand and jargon-free text elucidates the fundamentals of electronics. Several solved examples,

circuit diagrams and adequate questions further help students understand and apply the concepts Salient Features:

- Comprehensive coverage of syllabus requirements
- Topics illustrated with diagrams for better

understanding - Equal emphasis on mathematical derivations and physical interpretations
FEC 105 Basic Electrical and Electronics Engineering
 Koros Press

A Textbook for the students of B.Sc.(Engg.), B.E., B.Tech., AMIE and Diploma Courses. A new chapter on "Semiconductor Fabrication Technology and Miscellaneous Semiconductor Devices" had been included and additional self-assessment questions with answers and additional worked examples had been provided at the end of the BOOK.

For All Branches of Engineering, AMIE Non-diploma Stream and Diploma Students

Dhanpat Rai Pub Company

Embedded Systems with PIC Microcontrollers: Principles and Applications is a hands-on introduction to the principles and practice of embedded system design using the PIC microcontroller. Packed with helpful examples and illustrations, the book provides an in-depth treatment of microcontroller design as well as programming in both assembly language and C, along with advanced topics such as techniques of connectivity and networking and real-time operating systems. In this one book students get all they need to know to be highly proficient at embedded systems design. This text

combines embedded systems principles with applications, using the 16F84A, 16F873A and the 18F242 PIC microcontrollers. Students learn how to apply the principles using a multitude of sample designs and design ideas, including a robot in the form of an autonomous guide vehicle. Coverage between software and hardware is fully balanced, with full presentation given to microcontroller design and software programming, using both assembler and C. The book is accompanied by a companion website containing copies of all programs and software tools used in the text and a 'student' version of the C compiler. This textbook will be ideal for introductory

courses and lab-based courses on embedded systems, microprocessors using the PIC microcontroller, as well as more advanced courses which use the 18F series and teach C programming in an embedded environment.

Engineers in industry and informed hobbyists will also find this book a valuable resource when designing and implementing both simple and sophisticated embedded systems using the PIC microcontroller. *Gain the knowledge and skills required for developing today's embedded systems, through use of the PIC microcontroller.

*Explore in detail the 16F84A, 16F873A and 18F242

microcontrollers as examples of the wider PIC family. *Learn how to program in Assembler and C. *Work through sample designs and design ideas, including a robot in the form of an autonomous guided vehicle. *Accompanied by a CD-ROM containing copies of all programs and software tools used in the text and a 'student' version of the C compiler.

Principles and Applications New Age International

Basic Electrical Engineering Pearson Education India

Engineering Fluid Dynamics 2018
KHANNA PUBLISHING HOUSE

Man S Personality Needs Growth And Development In Its Four Different Aspects

Namely: Intellectual, Physical, Aesthetic And Ethical. Through These Four Facets Of Life, The Author Disseminates The Message Of Rationalism For The Young Men And Women Of All Countries. These Short Hints On Self-Culture Addresses You To Make Best Use Of Your Life And Helps You To Build Your Personality As A Free And Cultured Citizen.

REVIEW OF BASIC ELECTRONICS ENGINEERING BY SAHDEV

- Book was fun and interesting to read. Had easy to read charts and was informative. Highly Recommended!
- I have only read the

first 44 pages of this book, so I'd need to read the rest. So far, though, it is interesting but seems fuzzy. The writer makes a lot of claims but I was rarely sure if they were proven or just speculation. This is the kind of sentence that makes me

queasy: "Given all the activations happening at once [in the brain], physical performance probably uses 100 percent of the brain" (p. 39). Probably? Why? Does any one activity use 100 percent of the brain? And if physical performance does, why is that important?