

Galgotia Publication Electrical Engineering Objective

GKP's 'Objective' series has been used by engineering students over the years to prepare for GATE, PSU examinations and campus recruitment tests. The series includes five books i.e. Computer Science and IT, Electrical, Electronics and Communication, Mechanical and Civil. In order to make students thorough with the variety of questions, each book in this series provides them with questions segregated into two sections. The first section includes a set of practice exercise under each topic and the second section provides previous year's questions of exams such as GATE and various PSUs exams. Each question in the later section has been tagged with the exam name to make the preparation all the more easier. This combination of conceptual questions and previous year's questions would completely solve the purpose of the students for a quick practice with complete preparation for the exam. The books in this series will also be helpful to prepare for the technical section of various campus recruitment tests.

This book comprises select proceedings of the international conference ETAEERE 2020, and focuses on contemporary issues in energy management and energy efficiency in the context of power systems. The contents cover modeling, simulation and optimization based studies on topics like medium voltage BTB system, cost optimization of a ring frame unit in textile industry, rectenna for RF energy harvesting, ecology and energy dimension in infrastructural designs, study of AGC in two area hydro thermal power system, energy-efficient and reliable depth-based routing protocol for underwater wireless sensor network, and power line communication. This book can be beneficial for students, researchers as well as industry professionals.

Object-Oriented Programming in C++ begins with the basic principles of the C++ programming language and systematically introduces increasingly advanced topics while illustrating the OOP methodology. While the structure of this book is similar to that of the previous edition, each chapter reflects the latest ANSI C++ standard and the examples have been thoroughly revised to reflect current practices and standards. Educational Supplement Suggested solutions to the programming projects found at the end of each chapter are made available to instructors at recognized educational institutions. This educational supplement can be found at www.prenhall.com, in the Instructor Resource Center.

Objective Electrical Technology

FE Electrical and Computer Review Manual

Electrical Machines (Uptu)

Design of Electrical Machines

Database Systems

This book, now in its Second Edition, is primarily intended for the undergraduate and postgraduate students of electronics and communication, electronics and electrical and telecommunication engineering. It provides a thorough understanding of the fundamentals and applications of the subject. The edition discusses the properties of several types of antennas such as dipoles, loop, Yagi-Uda, log-periodic, slot/DRA and microstrip antennas and also explains the phenomenon of wave propagation with emphasis on theory of operation and design procedures. It provides a comprehension of the principles of radiation and methods of excitation. The book also focuses on antenna measurements along with necessary requirements and different methods of measurement. Written in an easy-to-understand manner, the text includes several illustrative examples. A large number of solved examples and exercise problems with varying difficulty levels are included to reinforce the theoretical understanding of concepts. The book also contains several objective-type questions in each chapter along with a Question Bank at the end of the book.

The Appendices provide a rich source of information and expressions as well as design data. NEW TO THE SECOND EDITION Separate new chapters are devoted to: • Reflector Antennas • Slot and Dielectric Resonator Antennas • Modern Antennas • Effect of Ground on Antenna Performances

The second edition of Automobile Mechanical and Electrical Systems concentrates on core technologies to provide the essential information required to understand how different vehicle systems work. It gives a complete overview of the components and workings of a vehicle from the engine through to the chassis and electronics. It also explains the necessary tools and equipment needed in effective car maintenance and repair, and relevant safety procedures are included throughout. Designed to make learning easier, this book contains: Photographs, flow charts and quick reference tables Detailed diagrams and clear descriptions that simplify the more complicated topics and aid revision Useful features throughout, including definitions, key facts and 'safety first' considerations. In full colour and with support materials from the author's website (www.automotive-technology.org), this is the guide no student enrolled on an automotive maintenance and repair course should be without.

The Use Of Digital Circuits Is Increasing In All Disciplines Of Engineering. Consequently Students Need To Have An In-Depth Knowledge On Them. Digital Circuits And Design Is A Textbook Dealing With The Basics Of Digital Technology Including The Design Asp

India Today

Objective Electrical Engineering

Question Bank In Electrical And Electronics Engineering

Digital Circuits And Design, 3E

Converters, Applications, and Design

This text is about methods used for the computer simulation of analog systems. It concentrates on electronic applications, but many of the methods are applicable to other engineering problems as well. This revised edition (1st, 1983) encompasses recent theoretical developments and program-writing ti

For over 15 years "Principles of Electrical Machines" is an ideal text for students who look to gain a current and clear understanding of the subject as all theories and concepts are explained with lucidity and clarity. Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase Motors, Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

Great strides have been made in the art of foundation design during the last two decades. In situ testing, site improvement techniques, the use of geogrids in the design of retaining walls, modified ACI codes, and ground deformation modeling using finite elements are but a few of the developments that have significantly advanced foundation engineering in recent years. What has been lacking, however, is a comprehensive reference for foundation engineers that incorporates these state-of-the-art concepts and techniques. The Foundation Engineering Handbook fills that void. It presents both classical and state-of-the-art design and analysis techniques for earthen structures, and covers basic soil mechanics and soil and groundwater modeling concepts along with the latest research results. It addresses isolated and shallow footings, retaining structures, and modern methods of pile construction monitoring, as well as stability analysis and ground improvement methods. The handbook also covers reliability-based design and LRF_D (Load Resistance Factor Design)-concepts not addressed in most foundation engineering texts. Easy-to-follow numerical design examples illustrate each technique. Along with its unique, comprehensive coverage, the clear, concise discussions and logical organization of The Foundation Engineering Handbook make it the one quick reference every practitioner and student in the field needs.

Principles of Electrical Machines

Civil Engineering

Select Proceedings of ETAEERE 2020

Automobile Mechanical and Electrical Systems

Question Bank In Electronics And Communication Engineering

Primarily intended for undergraduate students of all disciplines of engineering and students of computer applications (MCA), this book is a comprehensive exposition of the values and ethical principles that one needs to adopt to become a responsible and accountable professional. The book is organized in nine chapters that addresses the three broad areas of concern—values, ethics, and sustainable development. It first discusses the prevalent concept of values in human society, the various types of values, and the crisis of values that seems to be engulfing the contemporary society. The concept of ethics, the various ethical values, and the ethical requirements for a professional in the modern workplace are highlighted in detail. The ramifications of industrialization, the respective roles of science, technology and engineering, as well as the need for preservation of the environment and the use of eco-friendly technologies are explained. Finally, the ethical issues involved in the management of resources are discussed. A number of case studies have been provided in the book to enable a clear understanding of the topics presented. Each chapter contains short answer as well as long answer questions to test the students' grasp of the underlying concepts.

This book follows a logical concept building approach rather than only formula based, as offered by other books. The objective has been to structure a complete examination-oriented reference book covering the fundamental aspects of theory at a glance before proceeding to their relevant questions. The latest questions (2017 and 2018) from IES with their complete explanations have been given at the end of the text to impart a valuable insight into problem-solving approach.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Database Systems: The Complete Book is ideal for Database Systems and Database Design and Application courses offered at the junior, senior and graduate levels in Computer Science departments. A basic understanding of algebraic expressions and laws, logic, basic data structure, OOP concepts, and programming environments is implied. Written by well-known computer scientists, this introduction to database systems offers a comprehensive approach, focusing on database design, database use, and implementation of database applications and database management systems. The first half of the book provides in-depth coverage of databases from the point of view of the database designer, user, and application programmer. It covers the latest database standards SQL:1999, SQL/PSM, SQL/CLI, JDBC, ODL, and XML, with broader coverage of SQL than most other texts. The second half of the book provides in-depth coverage of databases from the point of view of the DBMS implementor. It focuses on storage structures, query processing, and transaction management. The book covers the main techniques in these areas with broader coverage of query optimization than most other texts, along with advanced topics including multidimensional and bitmap indexes, distributed transactions, and information integration techniques.

Advanced Soil Mechanics, Second Edition

????? ? ????????

An Introduction

An Integrated Course In Electrical Engineering (3rd Edition)

A Simplified Approach

Updated with modern coverage, a streamlined presentation, and an excellent companion CD, this sixth edition achieves yet again an unmatched balance between theory and application. Authors Charles H. Roth, Jr. and Larry L. Kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory. Divided into 20 easy-to-grasp study units, the book covers such fundamental concepts as Boolean algebra, logic gates design, flip-flops, and state machines. By combining flip-flops with networks of logic gates, students will learn to design counters, adders, sequence detectors, and simple digital systems. After covering the basics, this text presents modern design techniques using programmable logic devices and the VHDL hardware description language.

This revised edition is restructured with additional text and extensive illustrations, along with developments in geotechnical literature. Among the topics included are: soil aggregates, stresses in soil mass, pore water pressure due to undrained loading, permeability and seepage, consolidation, shear strength of soils, and evaluation of soil settlement. The text presents mathematical derivations as well as numerous worked-out examples.

Objective Electrical TechnologyS. Chand Publishing

VALUES AND ETHICS IN BUSINESS AND PROFESSION

Objective Review In Internal Combustion Engine & Automobile Engineering

Electric Energy Systems Theory

The Complete Book

Circuit Analysis with PSpice

Catalog of books on display at the 12th New Delhi World Book Fair, held at New Delhi in February 1996.

Electric circuits, and their electronic circuit extensions, are found in all electrical and electronic equipment; including: household equipment, lighting, heating, air conditioning, control systems in both homes and commercial buildings, computers, consumer electronics, and means of transportation, such as cars, buses, trains, ships, and airplanes. Electric circuit analysis is essential for designing all these systems. Electric circuit analysis is a foundation for all hardware courses taken by students in electrical engineering and allied fields, such as electronics, computer hardware, communications and control systems, and electric power. This book is intended to help students master basic electric circuit analysis, as an essential component of their professional education. Furthermore, the objective of this book is to approach circuit analysis by developing a sound understanding of fundamentals and a problem-solving methodology that encourages critical thinking.

*On the A HREF=<http://books.elsevier.com/companions/9780750658553>companion website/a readers will find: * over 60 pages of "Background Mathematics" reinforcing introductory material for revision purposes in advance of your first year course * plotXpose software (for equation solving, and drawing graphs of simple functions, their derivatives, integrals and Fourier transforms) * problems and projects (linking directly to the software) In addition, for lecturers only, A HREF=<http://textbooks.elsevier.com/http://textbooks.elsevier.com/a> features a complete worked solutions manual for the exercises in the book. Dr Attenborough is a former Senior Lecturer in the School*

of Electrical, Electronic and Information Engineering at South Bank University. She is currently Technical Director of The Webbery - Internet development company, Co. Donegal, Ireland.-

Basic Electrical Engineering

Recent Indian Publications on Display at World Book Fair

Electrical Engineering (O.T.)

Rapid Preparation for the Electrical and Computer Fundamentals of Engineering Exam

A Subject Classification

Part - I : Internal Combustion Engines : Introduction * Prospective Gaseous Fuels * Internal Combustion Engine * Carnot Cycle * The Air Standard Cycle * Air Standard Assumptions * Reciprocating Internal Combustion Engines * Mean Effective Pressure * Four Stroke Cycle * Mechanical Efficiency * Thermal Efficiency and Specific Fuel Consumption * Volumetric Efficiency * Value Timing Diagram * Two Stroke Engine * Gas Flow Performance Parameters * Advantages of Two Stroke Engines * Disadvantages of Two Stroke Engines * Engine Rating * Fuel Supply in Compression Ignition Engine * Requirements of the Solid Injection System * Combustion Process in Compression Ignition Engines * The Three Phase of Combustion * Heat Release Diagram in a Compression Ignition Engines * Diesel Fuels * Cetane Number, Cetane Index and Diesel Index *Spark Ignition Engines * Fuel Supply System * Air Fuel Ratio * Carburation * Fuel Injection System. Part -II : Automobile Engineering : History of Compression Ratios, Octne Levels * History of Leaded Fuels * Main Pollutants * Emission Standards */Need of Exhaust Emission Standards * Fuel Quality Trends in India Related to Emission Emission Standards for Indian Vehicles * European Union Vehicle Emission Regulations * North American Vehicle Emission Regulations * Japanese Vehicle Emission Regulations * Automobile: An Introduction * Automotive Power Train * Clutch * Operation of Clutch * Transmission * Gear Box Lubricant * Torque Converter Transmission * Universal Joints and Propeller Shaft * Final Drive and Differential * Differential * Operation of Differential * Four Wheel Drive System * Rear Axles * Recent Developments in

Automotive Vehicles * Catalytic Converters * Unleaded Gasoline * Objective Type Questions.

Written in a concise, easy-to understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are combined into one course. It is also a useful reference tool for civil engineering practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This edition has been thoroughly revised and enlarged. It is still considered to be a must for all those sitting Civil Engineering examinations.

Computer Methods for Circuit Analysis and Design

Project Planning and Control with PERT & CPM

Mathematics for Electrical Engineering and Computing

Power Electronics

Fundamentals of Logic Design

Prepare to pass the computer-based FE Electrical and Computer exam with PPI's FE Electrical and Computer Review Manual.

In the present edition,authors have made sincere efforts to make the book up-to-date.A notable feature is the inclusion of two chapters on Power System.It is hoped that this edition will serve the readers in a more useful way.

The Foundation Engineering Handbook

Instrumentation

Advances in Power Systems and Energy Management

Object-Oriented Programming in C++

Through Objective Type Questions