

Electrical Engineering Objective Books By J B Gupta

5000 MCQ: Electrical Engineering For UPSC GATE/PSUs The first Edition of Electrical Engineering Contains nearly 5000 MCQs which focuses in-depth understanding of subjects at basic and Advanced level which has been segregated topic wise to disseminate all kind of exposure to Students in terms of quick learning and deep preparation. The topic-wise segregation has been done to Align with contemporary competitive examination Pattern. Attempt has been made to bring out all kind of probable competitive questions for the aspirants preparing for UPSC, GATE, PSUs and other exams. The content of this book ensures threshold Level of learning and wide range of practice questions which is very much essential to boost the exam time confidence level and ultimately to succeed in all prestigious engineer's examinations. It has been ensured to have broad coverage of Subjects at chapter level. While preparing this book utmost care has been taken to cover all the chapters and variety of concepts which may be asked in the exams. The solutions and answers provided are upto the closest possible accuracy. The full efforts have been made by our team to provide error free solutions and explanations. Dear Electrical Engineering students, we provide Basic multiple choice questions and answers with explanation & civil objective type questions mcqs download here. These are very important & Helpful for campus placement test, semester exams, job interviews and competitive exams like UPSC, GATE, IES, and PSU, NET/SET/JRF, UPSC and diploma. Especially we are prepare for the Electrical Engineering freshers and experienced candidates, these model questions are asked in the online technical test, Quiz and interview of many companies. These are also very important for your lab viva in university exams like RTU, JNTU, Andhra, OU, Anna University, Pune, VTU, UPTU, CUSAT etc. 5000 MCQ: Electrical Engineering For UPSC GATE/PSUs #electricalengineering #EEMCQs #5000+MCQs #UPSCIES #ESEMCMQs #GATEEEMCMQs #PSUsMCQ #ElectricalTest #QuestionBank #Questionanswer #Electricaltopicwisemcq

The book presents a detailed exposition of the basic facets of electrical and electronics engineering. It begins with a general introduction to the basic concepts in electrical engineering and goes on to explain electrostatic fields and batteries. The basic concepts and techniques in circuit analysis are explained next. This followed by a detailed exposition of electric machines which includes discussion of transformers and synchronous motors. Electrical measurements and instruments are explained next which is followed by an exposition of basic electronics. SI units are consistently used throughout the book. Solved examples, practice problems and objectives questions are presented in each chapter. Objective Electrical EngineeringUpkar PrakashanObjective Electrical Engineering for Diploma Engineers 2016G.K Publications Pvt.LimitedObjective Electrical TechnologyS. Chand Publishing

This is a comprehensive Practice Book for aspirants of Electrical Engineering

those are preparing for RSEB (Rajasthan State Electricity Board) AEn & JEn vacancies. It contains a huge collection of quality questions covering all technical syllabus at minute level. The major subjects, like Electric Circuit, Machines and Power System have individually collection of more than 600 questions in each. Apart this, Book also covers subjects, like Measurement, Digital Electronics, Control System, Basic Electronics, Electro Magnetic Theory, etc. All subjects are classified in sub-topics so that students may analyse their preparations comparatively and may know about their weak topic. Due to contribution of various qualified faculties, this Book shall be an ideal Book for RSEB aspirants of Electrical Engineering.

It Has Often Been Experienced That Students Are Required To Perform Experiments On Certain Topic Before The Relevant Theory Has Been Taught In The Class. A Laboratory Manual Which, In Addition To A Set Of Instructions For Performing Experiments, Includes Related Theory In Brief Could Help Students Understand Experiments Better. In Response Of Demand From A Large Number Of States For An Appropriate Laboratory Manual In Basic Electricity And Electrical Measurements, The T.T.T.I., Chandigarh, Has Prepared This Manual Which Has Been Tried Out In Various Polytechnics And Improved Based On The Feedback. The Basic Objective Of The Manual Is To Encourage Students To Perform Experiments Independently And Purposefully. The Manual Organises The Information To Enable The Students To Verify Known Concepts And Principles And To Follow Certain Procedures And Practices And Thereby Acquire Relevant Skills. Detailed Instructions For Carrying Out Each Experiment Alongwith Relevant Theory In Brief Have Been Given. The Objectives For Performing An Experiment Have Been Included At The Beginning Of Each Experiment. A List Of Questions Given At The End Of Each Experiment Will Help Students Evaluate His Own Understanding. The Manual Also Includes Guidelines For Students And Teachers For Its Effective Use. An Assessment Proforma Given At The Beginning Of The Manual May Be Used By The Teachers In Evaluating The Students.

This book is written for students and teachers engaged in electrical and computer engineering (ECE) design projects, primarily in the senior year. It guides students and faculty through the steps necessary for the successful execution of design projects. The objective of the text is to provide a treatment of the design process in ECE with a sound academic basis that is integrated with practical application. It has a strong guiding vision -- that a solid understanding of the Design Process, Design Tools, and the right mix of Professional Skills are critical for project and career success. This text is unique in providing a comprehensive design treatment for ECE.

Rizzoni's Fundamentals of Electrical Engineering provides a solid overview of the electrical engineering discipline that is especially geared toward the many non-electrical engineering students who take this course. The book was developed to fit the growing trend of the Intro to EE course morphing into a briefer, less comprehensive course. The hallmark feature of this text is its liberal use of practical applications to illustrate important principles. The applications come from every field of engineering and feature exciting technologies. The appeal to non-engineering students are the special features such as Focus on Measurement sections, Focus

on Methodology sections, and Make the Connections sidebars.

This reference book provides over 6,500 multiple choice and objective-type questions and answers for all types of electrical engineering topics. It covers basic electronics, electrical circuits, electromagnetic theory, refrigeration, currents, power plants, batteries, electric devices, measurements, control systems, computer fundamentals, electronics, material science, machines, power systems, and more.

The increasing requirement for Junior Engineers/Technicians in PSUs has created a large job opportunities for the diploma holders all over India. Every PSU conducts its own qualifying exam based on the vacancies available for various positions such as Junior Engineer and Technician. This series has been thoroughly updated to equip the diploma engineers appearing for the exams of BHEL, BEL, GAIL, IOCL, HPCL, ONGC, DMRC, DRDO, Railway, Staff Selection Commission and other diploma engineering competitive examinations. It aids in fast revision through key notes such as terms, definitions and formulae. The series also provides conceptual clarity to ease in attempting questions. A vast collection of questions has been categorized under two levels? questions for practice and previous years? questions of various PSU examinations to give you a feel of the actual exam. Features ? Theory and key concepts in a systematical manner ? Ample number of MCQs for practice in each chapter ? Previous years? questions to familiarize you with the pattern and level of the examination 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

The hosting of sports events – whether large international events, or smaller niche events – can have a significant and long-lasting impact on the local environment, economy and society. Strategic Sports Event Management provides students and event managers with an insight into the strategic management of sports events of all scales and types, from international mega-events to school sports. Combining a unique conceptual framework with a practical, step-by-step guide to planning, organising, managing and evaluating events, the book explains the importance of adopting a strategic approach, showing how to implement strategies that lead to successful outcomes over the short and long-term. This fully revised and updated third edition uses international case studies in every chapter, from the NBA and NFL to Formula One and the English Premier League, offering real-world insight into both larger and smaller events. In addition, woven throughout the book are a series of in-depth studies of the London Olympic Games, the ultimate sporting event and an important point of reference for all practising and aspiring event managers. The book covers every key aspect of the sports event management process, including sports organizations, such as the IOC, FIFA and IAAF, and their interactions with event partners, the media and promoters short-term and long-term benefits of the planning process event impact and legacy operational functions including finance, ticketing, transport, venues, IT, human resources, and security marketing and communications, including social networking and new media the bidding process research and evaluation. Strategic Sports Event Management is the leading sports event management textbook and is now accompanied by a companion website containing a range of additional teaching and learning features. The book is important reading for all students of sport management or event management, and all practising event managers looking to develop their professional skills..

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts,

quiz contest, general awareness and mental ability test in every monthly issue.

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

In recent years Basic Electrical Engineering: Principles, Designs & Applications are being used extensively in Electrical Engineering, Microprocessor, Electrical Drives and Power Electronics research and many other things. This rapid progress in Electrical & Electronics Engineering has created an increasing demand for trained Electrical Engineering personnel. This book is intended for the undergraduate and postgraduate students specializing in Electronics Engineering. It will also serve as reference material for engineers employed in industry. The fundamental concepts and principles behind electronics engineering are explained in a simple, easy- to- understand manner. Each chapter contains a large number of solved example or problem which will help the students in problem solving and designing of Electronics system. This text book is organized into thirteen chapters. Chapter-1: AC and DC Circuit Analysis Chapter 2: Network Reduction and Network Theorems Chapter-3: Resonance and Coupled Circuits Chapter-4: Transformer Chapter-5: Three Phase Circuits Chapter-6: Electrical Generator and Motor Chapter- 7: Switchgear, Protection & Earthing System Chapter- 8: Electricity Usage Monitors, Power Factor Correction and Basics of Battery & Its applications

The book Basic Electrical Engineering: Principles, Designs & Applications is written to cater to the needs of the undergraduate courses in the discipline of Electronics & Communication Engineering, Computer Science Engineering, Information Technology, Electronics & Instrumentation Engineering, Electrical & Electronics Engineering and postgraduate students specializing in Electronics. It will also serve as reference material for engineers employed in industry. The fundamental concepts and principles behind of Transformer, Three Phase Circuits and Electrical Generator and Motor are explained in a simple, easy- to- understand manner. Each Chapter of book gives the design of Electrical Engineering that can be done by students of B.E./B.Tech/ M/Tech. level. Salient Features *Detailed coverage of AC and DC Circuit Analysis, Network Reduction and Network Theorems and Resonance and Coupled Circuits. *Comprehensive Coverage of Transformer, Three Phase Circuits and Electrical Generator and Motor. *Detailed coverage of Switchgear, Protection & Earthing System, Electricity Usage Monitors, Power Factor Correction and Basics of Battery & Its applications. *Each chapter contains a large number of solved example or objective type's problem which will help the students in problem solving and designing of Electrical Engineering. *Clear perception of the various problems with a large number of neat, well drawn and illustrative diagrams. *Simple Language, easy- to- understand manner. I do hope that the text book in the present form will meet the requirement of the students doing graduation in Electronics & Communication Engineering, Computer Science Engineering, Information Technology, Electronics & Instrumentation Engineering and Electrical & Electronics Engineering. I will appreciate any suggestions from students and faculty members alike so that we can strive to make the text book more useful in the edition to come.

Electrical engineering studies electricity and electromagnetism for creating devices to regulate and control electric current and electronic engineering is concerned with the creation of circuits that can contain and transmit electricity. This book on electrical and electronic engineering elucidates new techniques and applications in a multidisciplinary approach. The objective of this book is to give a general view of the different areas of these allied fields, and their applications. It presents the complex subject of electrical and electronic engineering in the

most comprehensible and easy to understand language. This book, with its detailed analyses and data, will prove immensely beneficial to professionals and students involved in this area. 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. Sensors are all around us. They are in phones, cars, planes, trains, robots, mills, lathes, packaging lines, chemical plants, power plants, etc. Modern technology could not exist without sensors. The sensors measure what we need to know and the control system then performs the desired actions. When an engineer builds any machine he or she needs to have basic understanding about sensors. Correct sensors need to be selected for the design right from the start. The designer needs to think about the ranges, required accuracy, sensor cost, wiring, correct installation and placement etc. Without the basic knowledge of sensors fundamental no machine can be built successfully today. The objective of this book is to provide the basic knowledge to electrical and mechanical engineers, engineering students and hobbyist from the field of sensors to help them with the selection of "proper" sensors for their designs. No background knowledge in electrical engineering is required, all the necessary basics are provided. The book explains how a sensor works, in what ranges it can be used, with what accuracy etc. It also provides examples of industrial application for selected sensors. The book covers all the major variables in mechanical engineering such as temperature, force, torque, pressure, humidity, position, speed, acceleration etc. The approach is always as follows: - Explain how the sensor works, what is the principle - Explain in what ranges and with what accuracy it can work - Describe its properties with charts, eventually equations - Give examples of such sensors including application examples

'BASICS OF ELECTRICAL ENGINEERING AND ELECTRONIC COMPONENTS' is intended to be used as a text book for I Semester Diploma in Electronics and Communication Engineering. This book is designed for comprehensively covering all topics relevant to the subject. Each and every topic has been explained in a very simple language as per the syllabus prescribed by the Board of Technical Education, Karnataka. This book is divided into eight chapters: Chapter 1 – Basics of Electricity Chapter 2 – Electrostatics Chapter 3 – Electromagnetic Induction Chapter 4 – AC Fundamentals Chapter 5 – AC Circuits Chapter 6 – Transformers Chapter 7 – Batteries, Relays and Motors Chapter 8 – Passive Components The text provides detailed explanations and uses numerous easy-to-follow examples accompanied by diagrams and step-by-step solutions. Illustrative problems are presented in terms of commonly used voltages and current ratings. To enhance the utility of the book, important points and review questions (objective and descriptive type) have been included at the end of each chapter. Model question papers have been provided to help students prepare better for the semester examinations. Multiple choice questions along with answers have been given towards the end of the book for the benefit of students taking up competitive tests. It is hoped that this book will be of immense use to teachers and students of Polytechnics. Suggestions for improvement in the future editions of this book will be appreciated. I wish to express my gratitude to MEI Polytechnic, Bangalore for providing me an opportunity to bring out this text book. I am grateful to Sri. Nitin S. Shah, M/s Sapna Book House, Bangalore for publishing this

book. I am thankful to M/s Datalink, Bangalore for meticulous processing of the manuscript of this book.

The fourth edition of "Principles and Applications of Electrical Engineering" provides comprehensive coverage of the principles of electrical, electronic, and electromechanical engineering to non-electrical engineering majors. Building on the success of previous editions, this text focuses on relevant and practical applications that will appeal to all engineering students.

The environmental aspects involved in the production and use of cement, concrete and other building materials are of growing importance. CO₂ emissions are 0.8-1.3 ton/ton of cement production in dry process. SO₂ emission is also very high, but is dependent upon the type of fuel used. Energy consumption is also very high at 100-150 KWT/ton of cement produced. It is costly to erect new cement plants. Substitution of waste materials will conserve dwindling resources, and will avoid the environmental and ecological damages caused by quarrying and exploitation of the raw materials for making cement. To some extent, it will help to solve the problem otherwise encountered in disposing of the wastes. Partial replacement of clinker or portland cement by slag, fly ash, silica fume and natural rock minerals illustrates these aspects. Partial replacement by natural materials that require little or no processing, such as pozzolans, calcined clays, etc., saves energy and decreases emission of gases. The output of waste materials suitable as cement replacement (slags, fly ashes, silica fumes, rice husk ash, etc.) is more than double that of cement production. These waste materials can partly be used, or processed, to produce materials suitable as aggregates or fillers in concrete. These can also be used as clinker raw materials, or processed into cementing systems. New grinding and mixing technology will make the use of these secondary materials simpler. Developments in chemical admixtures: superplasticizers, air entraining agents, etc., help in controlling production techniques and, in achieving the desired properties in concrete. Use of waste products is not only a partial solution to environmental and ecological problems; it significantly improves the microstructure, and consequently the durability properties of concrete, which are difficult to achieve by the use of pure portland cement. The aim is not only to make the cements and concrete less expensive, but to provide a blend of tailored properties of waste materials and portland cements suitable for specified purpose. This requires a better understanding of chemistry, and materials science. There is an increasing demand for better understanding of material properties, as well as better control of the microstructure developing in the construction material, to increase durability. The combination of different binders and modifiers to produce cheaper and more durable building materials will solve to some extent the ecological and environmental problems.

Electrical Engineering 101 covers the basic theory and practice of electronics, starting by answering the question "What is electricity?" It goes on to explain the fundamental principles and components, relating them constantly to real-world examples. Sections on tools and troubleshooting give engineers deeper understanding and the know-how to create and maintain their own electronic design projects. Unlike other books that simply describe electronics and provide step-by-step build instructions, EE101 delves into how and why electricity and electronics work, giving the reader the tools to take their electronics education to the next level. It is written in a down-to-earth style and explains jargon, technical terms and schematics as they arise. The author builds a genuine understanding of the fundamentals and shows how they can be applied to a range of engineering problems. This third edition includes more real-world examples and a glossary of formulae. It contains new coverage of: Microcontrollers FPGAs Classes of components Memory (RAM, ROM, etc.) Surface mount High speed design Board layout Advanced digital electronics (e.g. processors) Transistor circuits and

circuit design Op-amp and logic circuits Use of test equipment Gives readers a simple explanation of complex concepts, in terms they can understand and relate to everyday life. Updated content throughout and new material on the latest technological advances. Provides readers with an invaluable set of tools and references that they can use in their everyday work.

Pratiyogita Darpan (monthly magazine) is India's largest read General Knowledge and Current Affairs Magazine. Pratiyogita Darpan (English monthly magazine) is known for quality content on General Knowledge and Current Affairs. Topics ranging from national and international news/ issues, personality development, interviews of examination toppers, articles/ write-up on topics like career, economy, history, public administration, geography, polity, social, environment, scientific, legal etc, solved papers of various examinations, Essay and debate contest, Quiz and knowledge testing features are covered every month in this magazine.

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.

This second edition, extensively revised and updated, continues to offer sound, practically-oriented, modularized coverage of the full spectrum of fundamental topics in each of the several major areas of electrical and electronics engineering. Circuit Theory Electrical Measurements and Measuring Instruments Electric Machines Electric Power Systems Control Systems Signals and Systems Analog and Digital Electronics including introduction to microcomputers The book conforms to the syllabi of Basic Electrical and Electronic Sciences prescribed for the first-year engineering students. It is also an ideal text for students pursuing diploma programmes in Electrical Engineering. Written in a straightforward style with a strong emphasis on primary principles, the main objective of the book is to bring an understanding of the subject within the reach of all engineering students. What is New to This Edition : Fundamentals of Control Systems (Chapter 24) Fundamentals of Signals and Systems (Chapter 25) Introduction to Microcomputers (Chapter 32) Substantial revisions to chapters on Transformer, Semiconductor Diodes and Transistors, and Field Effect Transistors Laplace Transform (Appendix B) Applications of Laplace Transform (Appendix C) PSpice (Appendix E) key Features : Numerous solved examples for sound conceptual understanding End-of-chapter review questions and numerical problems for rigorous practice by students Answers to all end-of-chapter numerical problems An objective type Questions Bank with answers to hone the technical skills of students for viva voce and preparation for competitive examinations.

This book contains exhaustive collection of more than 6500+ MCQs with solution explained in easy language for engineering students of Electrical Engineering. In addition, the questions have been selected from various competitive exams to give the students an understanding of various types of exams. This book is essential to candidates appearing for U.P.S.C. (Engineering & Civil Services), State and Central Level Services Exams: Assistant Engineer /Junior Engineer, SSC-JE, RRB-JE, State Electricity Boards (APPGC, ASEB, BSPHCL, CSPGCL, HPGC, JSEB, KPCL, KSEB, MPPGCL, MSEB, RSEB, UPRVUNL, WBPDC, OPGC, TNEB, TPGC, PSPCL, JTO, PSUs : NPCIL, PGCIL, NHPC, PSOC, NLC, DVC NTPC, REC, BEST, KPTCL, TNEB and Metro Exams Like : DMRC, LMRC, NMRC, JMRC, BMRC, HMLR, KMRR, MMRR,

PMRR and Admission/Recruitment Test and other Technical Exams in Electrical Engineering.

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