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GDMA-Guwahati Metropolitan Development Authority Assistant Engineer (Electrical) Exam: Electrical Engineering Subject Ebook-PDF Chandresh Agrawal 2022-03-26 SGN.The Ebook GDMA-Guwahati Metropolitan Development Authority Assistant Engineer (Electrical) Exam: Electrical Engineering Subject Covers Objective Questions From Various Similar Previous Years' papers With Answers.

Planar Microwave Engineering Thomas H. Lee 2004-08-30 Modern wireless communications hardware is underpinned by RF and microwave design techniques. This insightful book contains a wealth of circuit layouts, design tips, and practical measurement techniques for building and testing practical gigahertz systems. The book covers everything you need to know to design, build, and test a high-frequency circuit. Microstrip components are discussed, including tricks for extracting good performance from cheap materials. Connectors and cables are also described, as are discrete passive components, antennas, low-noise amplifiers, oscillators, and frequency synthesizers. Practical measurement techniques are presented in detail, including the use of network analyzers, sampling oscilloscopes, spectrum analyzers, and noise figure meters. Throughout the focus is practical, and many worked examples and design projects are included. There is also a CD-ROM that contains a variety of design and analysis programs. The book is packed with indispensable information for students taking courses on RF or microwave circuits and for practising engineers.

Engineering Physics MCQs Arshad Iqbal **Engineering Physics MCQs: Multiple Choice Questions and Answers (Quiz & Practice Tests with Answer Key) PDF, (Engineering Physics Question Bank & Quick Study Guide)** includes revision guide for problem solving with hundreds of solved MCQs. "Engineering Physics MCQ" book with answers PDF covers basic concepts, analytical and practical assessment tests. "Engineering Physics MCQ" PDF book helps to practice test questions from exam prep notes. Engineering physics quick study guide includes revision guide with verbal, quantitative, and analytical past papers, solved MCQs. 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Practice "Equilibrium, Indeterminate Structures MCQ" PDF book with answers, test 9 to solve MCQ questions: Center of gravity, density of selected materials of engineering interest, elasticity, equilibrium, indeterminate structures, ultimate and yield strength of selected materials of engineering interest, and Young's modulus of selected materials of engineering interest. Practice "Finding Electric Field MCQ" PDF book with answers, test 10 to solve MCQ questions: Electric field, electric field due to continuous charge distribution, electric field lines, flux, and Gauss law. Practice "First Law of Thermodynamics MCQ" PDF book with answers, test 11 to solve MCQ questions: Absorption of heat by solids and liquids, Celsius and Fahrenheit scales, coefficients of thermal expansion, first law of thermodynamics, heat of fusion of common substances, heat of transformation, heat of vaporization of common substances, introduction to thermodynamics, molar specific heat, substance specific heat in calories, temperature, temperature and heat, thermal conductivity, thermal expansion, and zeroth law of thermodynamics. Practice "Fluid Statics and Dynamics MCQ" PDF book with answers, test 12 to solve MCQ questions: Archimedes principle, Bernoulli's equation, density, density of air, density of water, equation of continuity, fluid, measuring pressure, Pascal's principle, and pressure. Practice "Friction, Drag and Centripetal Force MCQ" PDF book with answers, test 13 to solve MCQ questions: Drag force, friction, and terminal speed. 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Practice "Optical Diffraction MCQ" PDF book with answers, test 24 to solve MCQ questions: Circular aperture diffraction, diffraction, diffraction by a single slit, gratings: dispersion and resolving power, and x-ray diffraction. Practice "Optical Interference MCQ" PDF book with answers, test 25 to solve MCQ questions: Coherence, light as a wave, and Michelson interferometer. Practice "Physics and Measurement MCQ" PDF book with answers, test 26 to solve MCQ questions: Applied physics introduction, changing units, international system of units, length and time, mass, physics history, SI derived units, SI supplementary units, and SI temperature derived units. Practice "Properties of Common Elements MCQ" PDF book with answers, test 27 to solve MCQ questions: Aluminum, antimony, argon, atomic number of common elements, boiling points, boron, calcium, copper, gallium, germanium, gold, hydrogen, melting points, and zinc. 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Practice "Simple Harmonic Motion MCQ" PDF book with answers, test 30 to solve MCQ questions: Angular simple harmonic oscillator, damped simple harmonic motion, energy in simple harmonic oscillators, forced oscillations and resonance, harmonic motion, pendulums, and uniform circular motion. Practice "Special Relativity MCQ" PDF book with answers, test 31 to solve MCQ questions: Mass energy, postulates, relativity of light, and time dilation. Practice "Straight Line Motion MCQ" PDF book with answers, test 32 to solve MCQ questions: Acceleration, average velocity, instantaneous velocity, and motion. Practice "Transverse Waves MCQ" PDF book with answers, test 33 to solve MCQ questions: Interference of waves, phases, speed of traveling wave, standing waves, transverse and longitudinal waves, types of waves, wave power, wave speed on a stretched string, wavelength, and frequency. Practice "Two and Three Dimensional Motion MCQ" PDF book with answers, test 34 to solve MCQ questions: Projectile motion, projectile range, and uniform circular motion. Practice "Vector Quantities MCQ" PDF book with answers, test 35 to solve MCQ questions: Components of vector, multiplying vectors, unit vector, vectors, and scalars. Practice "Work-Kinetic Energy Theorem MCQ" PDF book with answers, test 36 to solve MCQ questions: Energy, kinetic energy, power, and work.

TSSPDCL-Southern Power Distribution Company of Telangana Limited Assistant Engineer (Electrical) Exam PDF eBook Chandresh Agrawal 2022-02-06 SGN.The TSSPDCL-Southern Power Distribution Company of Telangana Limited Assistant Engineer (Electrical) Exam PDF eBook Cover Electrical Engineering Objective Questions From Various Competitive Exams With Answers.

TPSPC-Telangana Assistant Executive Engineer-AEE Civil Exam eBook Chandresh Agrawal 2022-09-05 SGN.The eBook TPSPC-Telangana Assistant Executive Engineer-AEE Civil Exam Covers Civil Engineering Objective Questions Asked In Various Competitive Exams With Answers. **Radar Engineering Raju 2013-12-30** This book contains the applications of radars, fundamentals and advanced concepts of CW, CW Doppler, FMCW, Pulsed doppler, MTI, MST and phased array radars etc. It also includes effect of different parameters on radar operation, various losses in radar systems, radar transmitters, radar receivers, navigational aids and radar antennas. Key features : Nine chapters exclusively suitable for one semester course in radar engineering. More than 100 solved problems. More than 1000 objective questions with answers. More than 600 multiple choice questions with answers. Five model question papers. Logical and self-understandable system description.

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Civil Engineering (Objective Questions) Sateesh K Jain This book covers a wide range of multiple-choice questions (MCQs) from various competitive exams in engineering, viz. GATE, IES/ESE, SSC, RRB, PSU, AMIE, and other relevant exams. This book covers over 5000 MCQs with hints and answers, and over 350 numerical problems with basic theory all spreading over 1000 pages. Overall, this book is a Swiss knife for preparing well for various engineering exams - both academic and career-based. The book contains 28 chapters covering the following

categories: Strength of Materials Structural Analysis R.C.C. Structures Steel Structures Soil Mechanics Foundation Engineering Fluid Mechanics Water Resources Engineering Water Supply Engineering Waste Water Engineering Surveying Building Materials Building Construction Highway Planning & Traffic Engineering Railway Engineering

Microwave Devices, Circuits and Subsystems for Communications Engineering Ian A. Glover 2006-05-01 Microwave Devices, Circuits and Subsystems for Communications Engineering provides a detailed treatment of the common microwave elements found in modern microwave communications systems. The treatment is thorough without being unnecessarily mathematical. The emphasis is on acquiring a conceptual understanding of the techniques and technologies discussed and the practical design criteria required to apply these in real engineering situations. Key topics addressed include: Microwave diode and transistor equivalent circuits Microwave transmission line technologies and microstrip design Network methods and s-parameter measurements Smith chart and related design techniques Broadband and low-noise amplifier design Mixer theory and design Microwave filter design Oscillators, synthesizers and phase locked loops Each chapter is written by specialists in their field and the whole is edited by experience authors whose expertise spans the fields of communications systems engineering and microwave circuit design. Microwave Devices, Circuits and Subsystems for Communications Engineering is suitable for senior electrical, electronic or telecommunication engineering undergraduate students, first year postgraduate students and experienced engineers seeking a conversion or refresher text. Includes a companion website featuring: Solutions to selected problems Electronic versions of the figures Sample chapter

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PGCIL-POWERGRID, Field Engineer-Electrical Screening Test PDF eBook Chandresh Agrawal 2022-11-16 SGN.The PGCIL-POWERGRID, Field Engineer-Electrical Screening Test PDF eBook Covers Electrical Engineering Objective Questions Asked In Various Exams With Answers.

INTRODUCTION TO MICROWAVE ENGINEERING Mukh Ram Rajbhar 2018-02-28 It extensively covers the subject and is expected to serve as a basic text for the students of electronics and communication engineering, electrical engineering and electronics engineering, and covers the syllabus of courses for BE, BTech, AMIE, IETE, MSc, and polytechnics. Salient FeaturesA comprehensive and an easy-to-read text to provide a detailed coverage of microwave fundamentals, devices and circuits.Covers the text in nine chapters and appendices.Each chapter is supplemented with elaborate illustrations, tables, solved and unsolved problems, and MCQs.An exhaustive set of solved problems in each chapter to help students aspiring to appear in the examinations like GATE, PSUs and UPSC.Useful for BE, BTech, AMIE, IETE, MSc, and polytechnic students of ECE, and electrical engineering and also for self-study by engineers.

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Textbook Of Engineering Physics Mehta 2013-01-01 This book is a sequel to the author's Engineering Physics Part I and is written to address the course curriculum in Engineering Physics-II (Course Code EAS-102) of the B.Tech syllabus of the Uttar Pradesh Technical University. The book is designed to meet the needs of the first year undergraduate students of all branches of Engineering. It provides a sound understanding of the important phenomena in physics.

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Microwave Engineering David M. Pozar 2011-11-22 Pozar's new edition of Microwave Engineering includes more material on active circuits, noise, nonlinear effects, and wireless systems. Chapters on noise and nonlinear distortion, and active devices have been added along with the coverage of noise and more material on intermodulation distortion and related nonlinear effects. On active devices, there's more updated material on bipolar junction and field effect transistors. New and updated material on wireless communications systems, including link budget, link margin, digital modulation methods, and bit error rates is also part of the new edition. Other new material includes a section on transients on transmission lines, the theory of power waves, a discussion of higher order modes and frequency effects for microstrip line, and a discussion of how to determine unloaded.

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Electronics Communication Engineering MCQ Manoj Dole 2021-02-01 Electronics & Communication Engineering is a simple e-Book for Electronics & Communication Diploma & Engineering Course Revised Syllabus in 2018. It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & important about Professional Communication, Industrial Management and Entrepreneurship Development, Applied Mathematics III, Electrical Engineering, Environmental Education & Disaster Management, Applied Physics, Industrial Electronics & Transducers, Communication System, Applied Chemistry, Network Filters & Transmission Lines, Electronic Instruments And Measurement., Applied Mechanics, Electronic Devices and Circuits., Construction Management, Accounts & Entrepreneurship Development, Engineering Mechanics & Materials, Principles of Communication Engineering., Audio and Video System, Electrical Engineering I, Principles of Digital Electronics, Television Engineering, Electronic Components and Devices., Electronics Workshop., Microprocessor and Application., Technical Drawing., Programming in C & C++, Project -. Problem, Elementary Workshop Practice., Computer Application for Engineering, Modern Communication System, Microelectronics, Electronic Equipment Testing, Advance, Microprocessor & Interface Microwave & Radar Engineering, Modern Consumer Electronics Appliances, Bio-Medical Electronics and lots more.

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Microwave Engineering Sudhakar M. & Khare Vandana 2017 Microwave Engineering is intended as textbook catering needs of third year undergraduate students of Electronics & Communication Engineering. Microwave Engineering is a prerequisite for courses like Radar Systems, Microwave Integrated Circuits and Satellite Communications.

Electronics & Communication Engineering Diploma & Engineering MCQ Manoj Dole 2022-11-28 Electronics & Communication Engineering Diploma & Engineering MCQ is a simple Book for Electronics & Communication Diploma & Engineering Course. It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & important about Professional Communication, Industrial Management and Entrepreneurship Development, Applied Mathematics III, Electrical Engineering, Environmental Education & Disaster Management, Applied Physics, Industrial Electronics & Transducers, Communication System, Applied Chemistry, Network Filters & Transmission Lines, Electronic Instruments And Measurement., Applied Mechanics, Electronic Devices and Circuits., Construction Management, Accounts & Entrepreneurship Development, Engineering Mechanics & Materials, Principles of Communication Engineering., Audio and Video System, Electrical Engineering I, Principles of Digital Electronics, Television Engineering, Electronic Components and Devices., Electronics Workshop., Microprocessor and Application., Technical Drawing., Programming in C & C++, Project -. Problem, Elementary Workshop Practice., Computer Application for Engineering, Modern Communication System, Microelectronics, Electronic Equipment Testing, Advance, Microprocessor & Interface Microwave & Radar Engineering, Modern Consumer Electronics Appliances, Bio-Medical Electronics and lots more.

MICROWAVE DEVICES AND CIRCUIT DESIGN GANESH PRASAD SRIVASTAVA 2006-01-01 This textbook presents a unified treatment of theory, analysis and design of microwave devices and circuits. It is designed to address the needs of undergraduate students of electronics and communication engineering for a course in microwave engineering as well as those of the students pursuing M.Sc. courses in electronics science. The main objective is to provide students with a thorough understanding of microwave devices and circuits, and to acquaint them with some of the methods used in circuit analysis and design. Several types of planar transmission lines such as stripline, microstrip, slot line and a few other structures have been explained. The important concepts of scattering matrix and Smith chart related to design problems have been discussed in detail. The performance and geometry of microwave transistors-both bipolar and field effect-have been analysed. Microwave passive components such as couplers, power dividers, attenuators, phase shifters and circulators have been comprehensively dealt with. Finally, the analysis and design aspects of microwave transistor amplifiers and oscillators are presented using the scattering parameters technique. Numerous solved problems and chapter-end questions are included for practice and reinforcement of the concepts.

BSPHCL -Bihar State Power Holding Company Limited Assistant Electrical Engineer Exam: Electrical Engineering Subject Ebook-PDF Chandresh Agrawal 2022-04-13 SGN.The Ebook BSPHCL -Bihar State Power Holding Company Limited Assistant Electrical Engineer Exam: Electrical Engineering Subject Covers Objective Questions From Various Similar Previous Years' Papers With Answers.

Electromagnetic Theory Multiple Choice Questions and Answers (MCQs) Arshad Iqbal **Electromagnetic Theory Multiple Choice Questions and Answers (MCQs): Quiz & Practice Tests with Answer Key PDF (Electromagnetic Theory Question Bank & Quick Study Guide)** includes revision guide for problem solving with hundreds of solved MCQs. "Electromagnetic Theory MCQ" book with answers PDF covers basic concepts, analytical and practical assessment tests. "Electromagnetic Theory MCQ" PDF book helps to practice test questions from exam prep notes. Electromagnetic theory quick study guide includes revision guide with verbal, quantitative, and analytical past papers, solved MCQs. Electromagnetic Theory Multiple Choice Questions and Answers (MCQs) PDF download, a book covers solved quiz questions and answers on chapters: Electrical properties of dielectric, electrical properties of matter, metamaterials, time varying and harmonic electromagnetic fields tests for college and university revision guide. Electromagnetic Theory Quiz Questions and Answers PDF download with free sample book covers beginner's solved questions, textbook's study notes to practice tests. Electronics MCQs book includes high school question papers to review practice tests for exams. "Electromagnetic Theory Quiz" PDF book, a quick study guide with textbook chapters' tests for NEET/Jobs/Entry Level competitive exam. "Electromagnetic Theory MCQs book PDF covers terminology definitions in self-assessment workbook from electronics engineering textbook and practical book's chapters as: Chapter 1: Electrical Properties of Dielectric MCQs Chapter 2: Electrical Properties of Matter MCQs Chapter 3: Metamaterials MCQs Chapter 4: Time Varying and Harmonic Electromagnetic Fields MCQs Practice "Electrical Properties of Dielectric MCQ" PDF book with answers, test 1 to solve MCQ questions: Dielectric constant of dielectric materials, dielectric constitutive relationship, dielectric permittivity, dielectrics basics, electric and magnetic dipoles, electrical polarization production, electronic polarization production, examining material microscopically, ferroelectrics, ionic polarization production, nonpolar dielectric materials, oriental polarization, and polar dielectric materials. Practice "Electrical Properties of Matter MCQ" PDF book with answers, test 2 to solve MCQ questions: Introduction to matter, atoms and molecules, Bohr's model, DNG, and electromagnetic theory. Practice "Metamaterials MCQ" PDF book with answers, test 3 to solve MCQ questions: Introduction to metamaterials, base metals, chiral metamaterials, cloak devices, dilute metals, Drude model, Drude-Lorentz model, finite element method, FDTD grid truncation techniques, Fermat's principle, ferrites, FIM history, FIM structure, finite difference time domain, finite difference time domain hybrid, finite difference time domain method, finite difference time domain popularity, harmonic plane, left hand materials, Maxwell's constitutive equation, metamaterial structure, metamaterials basics, metamaterials permittivity, metamaterials planes, metamaterials: electric and magnetic responses, monochromatic plane, noble metals, refractive index, Snell's law, split ring resonator, strengths of FDTD modeling, tunable metamaterials, types of finite element method, wave vector, and weakness of FDTD modeling. Practice "Time Varying and Harmonic Electromagnetic Fields MCQ" PDF book with answers, test 4 to solve MCQ questions: Ampere's law, boundary conditions, boundary value problems, charge density, curl operator, differential form of Maxwell's equations, displacement current density, divergence operator, electric charge density, electric field intensity, electric flux density, electromagnetic field theory, electromagnetic spectrum, Euclidean plane, Gauss's law, introduction to electromagnetic fields, introduction to electromagnetic theory, Laplacian operator, Lorentz force, magnetic charge density, magnetic field intensity, magnetic flux density, Maxwell's equations, oscillations, photon energy, and surface current density.

TPSPC-Telangana Assistant Executive Engineer-AEE Electrical Exam Chandresh Agrawal 2022-09-05 SGN.The eBook TPSPC-Telangana Assistant Executive Engineer-AEE Electrical Exam Covers Electrical Engineering Objective Questions Asked In Various Competitive Exams With Answers.

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