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EC8701 | ANTENNAS AND MICROWAVE ENGG | IMPORTANT MCQS | ANNAUNIVERSITY | ECE Microwave Engineering Important Formulas|| ISRO Scientist Electronics |Technical Assistant| Gate| ec8701 mcq | ec8701 antennas and microwave engineering mcq | ec8701 mcq questions | CHROME TECH *EC8701 MCQ | EC8701 Antenna and microwave Engineering MCQ | Antenna basics MCQ | PART 1* MICROWAVE ENGINEERING||PREVIOUS YEAR QUESTIONS(2019)||ELECTRONICS ENGINEERING||6th Semester **Microwave Engineering Multiple Choice Questions**
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Multiple Choice Questions of Microwave Engineering | EL 304 Multiple Choice Questions of Microwave Engineering Part 2|EL 304 Objectives of Microwave Engineering Top 30 Communication Engineering Interview Questions - Session 1ECE board exam question and answer - EST #9 - microwave communications 1.

The book is primarily designed to cater to the needs of undergraduate and postgraduate students of Electronics and Communication Engineering and allied branches. The book has been written keeping average students in mind. This well-organised and lucidly written text gives a comprehensive view of microwave concepts covering its vast spectrum, transmission line, network analysis, microwave tubes, microwave solid-state devices, microwave measurement techniques, microwave antenna theories, radars and satellite communication. KEY FEATURES • A fairly large number of well-labelled diagrams provides practical understanding of the concepts. • Solved numerical problems aptly crafted and placed right after conceptual discussion provide better comprehension of the subject matter. • Chapter summary highlights important points for quick recap and revision before examination. • About 200 MCQs with answers help students to prepare for competitive examinations. • Appropriate number of unsolved numerical problems with answers improves problem solving skill of students. • Simplified complex mathematical derivations by synthesising them in smaller parts for easy grasping. Audience Undergraduate and Postgraduate students of Electronics and Communication Engineering and allied branches

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.

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.

This book presents the basic principles, characteristics and applications of commonly used microwave devices used in the design of microwave systems. The book begins with a brief overview of the field of microwave engineering and then provides a thorough review of two prerequisite topics in electromagnetics, that is, electromagnetic field theory and transmission lines, so essential to know before analysing and designing microwave systems. The book presents the full spectrum of both passive and active microwave components. Hollow pipe waveguides are thoroughly analysed with respect to their field components and other important characteristics such as bandwidth, dispersive nature, various impedances, and attenuation parameters. The basic principles of various types of microwave junctions used for power division, addition, and in measurement systems, such as tees, directional-couplers, circulators, gyrators, etc. are explained, along with their scattering parameters required for the analysis of microwave circuits. The text also presents a comprehensive analytical treatment of microwave tubes in common use, such as klystrons, magnetrons, TWTs, and solid state sources such as Gunn diodes, IMPATT diodes, funnel diodes and PiN diodes, etc. Finally, the book describes the laboratory procedures for measurements of various parameters of circuits working at microwave frequencies. The book contains an instructional framework at the end of each chapter composed of questions, problems, and objective type questions to enable students to gain skills in applying the principles and techniques learned in the text. The book is appropriate for a course in Microwave Engineering at the level of both undergraduate and postgraduate students of Electronics and Communication Engineering.

?This book on Microwave Engineering presents the subject in simplified manner with equal weightage to both introductory and advance level topics. The book encompasses the entire undergraduate requirements of the microwave engineering course with plentiful pedagogical aids. The students will find this book extremely handy during the course. Salient Features: ? Demonstration of Monolithic Microwave Integrated Circuits with emphasis on device structure, wafer processing technology, circuit Design and RF performances ? Dedicated Chapter on Solid State Semiconductor Devices and Microwave Amplifier Design and Matching ? In depth concept analysis supported by stepwise solution of derivations

This thoroughly revised and updated edition, while retaining the major contents of the previous edition, presents the latest information on the various aspects of microwave engineering. With improved organization and enriched contents, the book explores expanded and updated information on the basic principles, characteristics and applications of commonly used devices in the design of various microwave systems. The book commences with a discussion on microwave basics, EM wave theory, transmission line theory, hollow pipe waveguides, microwave junctions and goes on to provide in-depth coverage of waveguide components, klystrons, magnetrons and TWTs. The book focuses on the solid-state devices and microwave measurements as well. The book has an added advantage of exercise section involving essay type questions, exercise problems, fill in the blanks, match the following and multiple choice questions, designed to reinforce the students’ understanding of the concepts. This tailor-made book is appropriate for the undergraduate and postgraduate students of electronics and communication engineering. Highlights of the Second Edition • Two new chapters, namely, Klystrons, and Magnetrons and TWTs are incorporated into the book. • Several sections like coaxial line analysis, microwave link analysis, microwave bench design, measurement of phase shift, measurement of dielectric constant, and network analyzers have been introduced into the book. • Numerous questions and solved problems have been added to the exercise section of each chapter.

"Engineering Physics Multiple Choice Questions and Answers (MCQs): Quizzes & Practice Tests with Answer Key" provides mock tests for competitive exams preparation. This book can help to learn and practice "Engineering Physics" quizzes as a quick study guide for placement test preparation. "Engineering Physics MCQs"

helps with theoretical, conceptual, and analytical study for self-assessment, career tests. Engineering Physics Multiple Choice Questions and Answers pdf is a revision guide with a collection of trivia questions to fun quiz questions and answers pdf on topics: Alternating fields and currents, astronomical data, capacitors and capacitance, circuit theory, conservation of energy, coulomb's law, current produced magnetic field, electric potential energy, equilibrium, indeterminate structures, finding electric field, first law of thermodynamics, fluid statics and dynamics, friction, drag and centripetal force, fundamental constants of physics, geometric optics, inductance, kinetic energy, longitudinal waves, magnetic force, models of magnetism, newton's law of motion, Newtonian gravitation, ohm's law, optical diffraction, optical interference, physics and measurement, properties of common elements, rotational motion, second law of thermodynamics, simple harmonic motion, special relativity, straight line motion, transverse waves, two and three dimensional motion, vector quantities, work-kinetic energy theorem to enhance teaching and learning. Engineering Physics Quiz Questions and Answers pdf also covers the syllabus of many competitive papers for admission exams of different universities from physics textbooks on chapters: Alternating Fields and Currents Multiple Choice Questions: 27 MCQs. Astronomical Data Multiple Choice Questions: 150 MCQs. Capacitors and Capacitance Multiple Choice Questions: 17 MCQs. Circuit Theory Multiple Choice Questions: 14 MCQs. Conservation of Energy Multiple Choice Questions: 40 MCQs. Coulomb's Law Multiple Choice Questions: 13 MCQs. Current Produced Magnetic Field Multiple Choice Questions: 4 MCQs. Electric Potential Energy Multiple Choice Questions: 10 MCQs. Equilibrium, Indeterminate Structures Multiple Choice Questions: 51 MCQs. Finding Electric Field Multiple Choice Questions: 13 MCQs. First Law of Thermodynamics Multiple Choice Questions: 138 MCQs. Fluid Statics and Dynamics Multiple Choice Questions: 57 MCQs. Friction, Drag and Centripetal Force Multiple Choice Questions: 13 MCQs. Fundamental Constants of Physics Multiple Choice Questions: 45 MCQs. Geometric Optics Multiple Choice Questions: 19 MCQs. Inductance Multiple Choice Questions: 4 MCQs. Kinetic Energy Multiple Choice Questions: 41 MCQs. Longitudinal Waves Multiple Choice Questions: 21 MCQs. Magnetic Force Multiple Choice Questions: 26 MCQs. Models of Magnetism Multiple Choice Questions: 46 MCQs. Newton's Law of Motion Multiple Choice Questions: 22 MCQs. Newtonian Gravitation Multiple Choice Questions: 92 MCQs. Ohm's Law Multiple Choice Questions: 36 MCQs. Optical Diffraction Multiple Choice Questions: 19 MCQs. Optical Interference Multiple Choice Questions: 9 MCQs. Physics and Measurement Multiple Choice Questions: 111 MCQs. Properties of Common Elements Multiple Choice Questions: 94 MCQs. Rotational Motion Multiple Choice Questions: 95 MCQs. Second Law of Thermodynamics Multiple Choice Questions: 10 MCQs. Simple Harmonic Motion Multiple Choice Questions: 35 MCQs. Special Relativity Multiple Choice Questions: 17 MCQs. Straight Line Motion Multiple Choice Questions: 14 MCQs. Transverse Waves Multiple Choice Questions: 47 MCQs. Two and Three Dimensional Motion Multiple Choice Questions: 12 MCQs. Vector Quantities Multiple Choice Questions: 21 MCQs. Work-Kinetic Energy Theorem Multiple Choice Questions: 17 MCQs The chapter "Alternating Fields and Currents MCQs" covers topics of alternating current, damped oscillations in an RLS circuit, electrical-mechanical analog, forced and free oscillations, LC oscillations, phase relations for alternating currents and voltages, power in alternating current circuits, transformers. The chapter "Astronomical Data MCQs" covers topics of aphelion, distance from earth, eccentricity of orbit, equatorial diameter of planets, escape velocity of planets, gravitational acceleration of planets, inclination of orbit to earth's orbit, inclination of planet axis to orbit, mean distance from sun to planets, moons of planets, orbital speed of planets, perihelion, period of rotation of planets, planet densities, planets masses, sun, earth and moon. The chapter "Capacitors and Capacitance MCQs" covers topics of capacitor in parallel and in series, capacitor with dielectric, charging a capacitor, cylindrical capacitor, parallel plate capacitor. The chapter "Circuit Theory MCQs" covers topics of loop and junction rule, power, series and parallel resistances, single loop circuits, work, energy and EMF. The chapter "Conservation of Energy MCQs" covers topics of center of mass and momentum, collision and impulse, collisions in one dimension, conservation of linear momentum, conservation of mechanical energy, linear momentum and Newton's second law, momentum and kinetic energy in collisions, Newton's second law for a system of particles, path independence of conservative forces, work and potential energy. The chapter "Coulomb's Law MCQs" covers topics of charge is conserved, charge is quantized, conductors and insulators, and electric charge. The chapter "Current Produced Magnetic Field MCQs" covers topics of ampere's law, and law of Biot-Savart. The chapter "Electric Potential Energy MCQs" covers topics of introduction to electric potential energy, electric potential, and equipotential surfaces. The chapter "Equilibrium, Indeterminate Structures MCQs" covers topics of 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. The chapter "Finding Electric Field MCQs" covers topics of electric field, electric field due to continuous charge distribution, electric field lines, flux, and Gauss law. The chapter "First Law of Thermodynamics MCQs" covers topics of 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. The chapter "Fluid Statics and Dynamics MCQs" covers topics of Archimedes principle, Bernoulli’s equation, density, density of air, density of water, equation of continuity, fluid, measuring pressure, pascal's principle, and pressure. The chapter "Friction, Drag and Centripetal Force MCQs" covers topics of drag force, friction, and terminal speed. The chapter "Fundamental Constants of Physics MCQs" covers topics of Bohr magneton, Boltzmann constant, elementary charge, gravitational constant, magnetic moment, molar volume of ideal gas, permittivity and permeability constant, Planck constant, speed of light, Stefan-Boltzman constant, unified atomic mass unit, and universal gas constant. The chapter "Geometric Optics MCQs" covers topics of optical instruments, plane mirrors, spherical mirror, and types of images. The chapter "Inductance MCQs" covers topics of faraday's law of induction, and Lenz's law. The chapter "Kinetic Energy MCQs" covers topics of Avogadro’s number, degree of freedom, energy, ideal gases, kinetic energy, molar specific heat of ideal gases, power , pressure, temperature and RMS speed, transnational kinetic energy, and work. The chapter "Longitudinal Waves MCQs" covers topics of Doppler effect, shock wave, sound waves, and speed of sound. The chapter "Magnetic Force MCQs" covers topics of charged particle circulating in a magnetic field, hall effect, magnetic dipole moment, magnetic field, magnetic field lines, magnetic force on current carrying wire, some appropriate magnetic fields, and torque on current carrying coil. The chapter "Models of Magnetism MCQs" covers topics of diamagnetism, earth's magnetic field, ferromagnetism, gauss's law for magnetic fields, indexes of refractions, Maxwell’s extension of ampere's law, Maxwell’s rainbow, orbital magnetic dipole moment, paramagnetism, polarization, reflection and refraction, and spin magnetic dipole moment. The chapter "Newton's Law of Motion MCQs" covers topics of newton's first law, newton's second law, Newtonian mechanics, normal force, tension. The chapter "Newtonian Gravitation MCQs" covers topics of escape speed, gravitation near earth's surface, gravitational system body masses, gravitational system body radii, Kepler's law of periods for solar system, newton's law of gravitation, planet and satellites: Kepler's law, satellites: orbits and energy, and semi major axis 'a' of planets. The chapter "Ohm's Law MCQs" covers topics of current density, direction of current, electric current, electrical properties of copper and silicon, Ohm's law, resistance and resistivity, resistivity of typical insulators, resistivity of typical metals, resistivity of typical semiconductors, and superconductors. The chapter "Optical Diffraction MCQs" covers topics of circular aperture diffraction, diffraction, diffraction by a single slit, gratings: dispersion and resolving power, and x-ray diffraction. The chapter "Optical Interference MCQs" covers topics of coherence, light as a wave, and Michelson interferometer. The chapter "Physics and Measurement MCQs" covers topics of 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. The chapter "Properties of Common Elements MCQs" covers topics of aluminum, antimony, argon, atomic number of common elements, boiling points, boron, calcium, copper, gallium, germanium, gold, hydrogen, melting points, and zinc. The chapter "Rotational Motion MCQs" covers topics of angular momentum, angular momentum of a rigid body , conservation of angular momentum, forces of rolling, kinetic energy of rotation, newton's second law in angular form, newton's second law of rotation, precession of a gyroscope, relating linear and angular variables, relationship with constant angular acceleration, rolling as translation and rotation combined , rotational inertia of different objects, rotational variables, torque, work and rotational kinetic energy, and yo-yo. The chapter "Second Law of Thermodynamics MCQs" covers topics of entropy in real world, introduction to second law of thermodynamics, refrigerators, and Stirling engine. The chapter "Simple Harmonic Motion MCQs" covers topics of angular simple harmonic oscillator, damped simple harmonic motion, energy in simple harmonic oscillators, forced oscillations and resonance, harmonic motion, pendulums, and uniform circular motion. The chapter "Special Relativity MCQs" covers topics of mass energy, postulates, relativity of light, and time dilation. The chapter "Straight Line Motion MCQs" covers topics of acceleration, average velocity, instantaneous velocity, and motion. The chapter "Transverse Waves MCQs" covers topics of interference of waves, phasors, speed of traveling wave, standing waves, transverse and longitudinal waves, types of waves, wave power, wave speed on a stretched string, wavelength, and frequency. The chapter "Two and Three Dimensional Motion MCQs" covers topics of projectile motion, projectile range, and uniform circular motion. The chapter "Vector Quantities MCQs" covers topics of components of vector, multiplying vectors, unit vector, vectors, and scalars. The chapter "Work-Kinetic Energy Theorem MCQs" covers topics of energy, kinetic energy, power, and work.

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.

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 -I. 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.