

Modulation Multiple Choice Questions With Answers

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Q.38. Calculate the modulation index in an FM signal when f m (modulating frequency) is 250Hz and ?f (frequency deviation) is 5KHz. a. 20 b. 35 c. 50 d. 75. ANSWER: (a) 20. Explanation: Modulation index is the measure of how much the modulation parameter changes from its unmodulated value. The modulation index of FM is given by

Multiple choice Questions and Answers on Frequency Modulation

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To combine multiple data streams over a single data channel c. To allow multiple data streams over multiple channels in a prescribed format d. To match the frequencies of the signal at the transmitter as well as the receiver. ANSWER: (b) To combine multiple data streams over a single data channel. 14) Aliasing refers to, a.

Multiple Choice Questions and Answers on Amplitude Modulation

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Kennedy: MCQ in Introduction to Communication Systems

If you like playing trivia games, then this quiz is for you. This multiple choice quiz mostly consists of general knowledge, but it also contains some Bible trivia, TV show and movie trivia, geography trivia, literature trivia, and so much more.You can find the correct answer to each multiple choice trivia question at the bottom. Good luck! Trivia Question: What is the name for the Jewish New ...

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Practice Applications of Laplace Transform MCQ PDF with answers to solve MCQ test questions: Circuit analysis, introduction, network stability, network synthesis, and state variables. Practice Basic Concepts MCQ PDF with answers to solve MCQ test questions: Applications, charge and current, circuit elements, power and energy, system of units, and voltage. Practice Basic Laws MCQ PDF with answers to solve MCQ test questions: Applications, Kirchhoff's laws, nodes, branches and loops, Ohm's law, series resistors, and voltage division. Practice Capacitors and Inductors MCQ PDF with answers to solve MCQ test questions: capacitors, differentiator, inductors, integrator, and resistivity. Practice Circuit Concepts MCQ PDF with answers to solve MCQ test questions: Capacitance, inductance, non-linear resistors, passive and active elements, resistance, sign conventions, and voltage current relations. Practice Circuit Laws MCQ PDF with answers to solve MCQ test questions: Introduction to circuit laws, Kirchhoff's current law, and Kirchhoff's voltage law. Practice Circuit Theorems MCQ PDF with answers to solve MCQ test questions: Kirchhoff's law, linearity property, maximum power transfer, Norton's theorem, resistance measurement, source transformation, superposition, and Thevenin's theorem. Practice Filters and Resonance MCQ PDF with answers to solve MCQ test questions: Band pass filter and resonance, frequency response, half power frequencies, high pass and low pass networks, ideal and practical filters, natural frequency and damping ratio, passive, and active filters. Practice First Order Circuits MCQ PDF with answers to solve MCQ test questions: Applications, capacitor discharge in a resistor, establishing a DC voltage across a capacitor, introduction, singularity functions, source free RL circuit, source-free RC circuit, source-free RL circuit, step and impulse responses in RC circuits, step response of an RC circuit, step response of an RL circuit, transient analysis with PSPICE, and transients at switching time. Practice Fourier Series MCQ PDF with answers to solve MCQ test questions: Applications, average power and RMS values, symmetry considerations, and trigonometric Fourier series. Practice Fourier transform MCQ PDF with answers to solve MCQ test questions: Applications, average power and RMS values, symmetry considerations, and trigonometric Fourier series. Practice Frequency Response MCQ PDF with answers to solve MCQ test questions: Active filters, applications, bode plots, decibel scale, introduction, passive filters, scaling, series resonance, and transfer function. Practice Higher Order Circuits and Complex Frequency MCQ PDF with answers to solve MCQ test questions: Complex frequency, generalized impedance in s-domain, parallel RLC circuit, and series RLC circuit. Practice Introduction to Electric Circuits MCQ PDF with answers to solve MCQ test questions: Constant and variable function, electric charge and current, electric potential, electric quantities and SI units, energy and electrical unit power, force, work, and power. Practice Introduction to Laplace Transform MCQ PDF with answers to solve MCQ test questions: Convolution integral. Practice Magnetically Coupled Circuits MCQ PDF with answers to solve MCQ test questions: Energy in coupled circuit, ideal autotransformers, ideal transformers, linear transformers, and mutual inductance. Practice Methods of Analysis MCQ PDF with answers to solve MCQ test questions: Applications, circuit analysis with PSPICE, mesh analysis, mesh analysis with current sources, nodal analysis, nodal and mesh analysis by inception. Practice Mutual Inductance and Transformers MCQ PDF with answers to solve MCQ test questions: Analysis of coupling coil, auto transformer, conductivity coupled equivalent circuits, coupling coefficient, dot rule, energy in a pair of coupled coils, ideal transformer, linear transformer, and mutual inductance. Practice Operational Amplifiers MCQ PDF with answers to solve MCQ test questions: Cascaded op amp circuits, difference amplifier, ideal op amp, instrumentation amplifier, introduction, inverting amplifier, noninverting amplifier, operational amplifiers, and summing amplifier. Practice Polyphase Circuits MCQ PDF with answers to solve MCQ test questions: Balanced delta-connected load, unbalanced vye-connected load, equivalent y and z-delta connections, phasor voltages, the two wattmeter method, three phase power, two phase systems, unbalanced delta-connected load, unbalanced y-connected load, wye, and delta systems. Practice Second Order Circuits MCQ PDF with answers to solve MCQ test questions: Second-order op amp circuits, applications, duality, introduction, and source-free series RLC circuit. Practice Sinusoidal Steady State Analysis MCQ PDF with answers to solve MCQ test questions: Element responses, impedance and admittance, mesh analysis, nodal analysis, op amp ac circuits, oscillators, phasors, voltage and current division in frequency domain. Practice Sinusoids and Phasors MCQ PDF with answers to solve MCQ test questions: Applications, impedance and admittance, impedance combinations, introduction, phasor relationships for circuit elements, phasors, and sinusoids. Practice Three Phase Circuits MCQ PDF with answers to solve MCQ test questions: Average and effective RMS values, combination of periodic functions, exponential function, non-periodic functions, periodic functions, random signals, sinusoidal functions, time shift and phase shift, trigonometric identities, unit impulse function, and unit step function.

The book provides 10 Practice Sets with solutions designed exactly on the latest pattern of GATE exam. Questions also cover numerical answer type.

This book carries a holistic approach on the analog communication, with all the basic concepts pertaining to the subject described in it. The text provides an incisive insight into the subject via simple, elegant and explicit presentation. Organised in ten chapters, the book dexterously assimilates the various terms and techniques used in analog communication to enhance a broader understanding of the concepts and their applications. Commencing with the basic introduction, the book goes on to provide description on analog amplitude modulation, single sideband modulation, analog angle modulation, pulse modulation digital transmission of analog signals and multiplexing. Finally, it discusses about noise, random signal and processes, information theory and coding, and communication detectors and filters. The background of each topic in the book is respected sensibly by providing suitable illustrations, numerical examples, detailed explanation of each step given, thereby making the understanding of complicated derivations easier. This well-structured book is specifically written for the undergraduate students of electronics and communication engineering, and postgraduate students of electronics.