

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The rate of decay of a radioactive substance	A. decrease exponentially with time B. decreases linearly with time C. increases linearly with time D. increases exponentially with time
2	A changing magnetic flux creates around itself	A. An electromotive force B. An electric field (changing electric flux) C. Magnetic field D. None of the above
3	The work done moving a body between two points in a conservation field is independent of the:	A. Direction B. Force applied C. Path followed by the body D. Power
4	In frequency modulation (FM), the carrier waves amplitude	A. Remains constant B. Increase C. Decreases D. None of these
5	The maximum stress that a material can withstand, is known as	A. plastic point B. elastic limit C. yield point D. ultimate tensile strength
6	Speed of light in vacuum depends upon:	A. Frequency B. Wavelength C. Amplitude D. None of these
7	To and from motion of a body about its mean position is known as:	A. Translatory motionB. Vibratory motionC. Rotatory motionD. None of these
8	The property of light which does not change with the nature of the medium is	A. Frequency B. Amplitude C. Wavelength D. None of these
9	The induced current is a conductor depends upon:	A. Resistance of the loop B. Speed with which the conductor moves C. Any of these D. Both (A) and (B) E. None of these
10	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
11	Conventional the angular Velocity is Directed at an angle of:	A. 90 ° to the axis of rotation B. 30 ° to the axis of rotation C. 0

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12	If 2.2 kilowatt power is transmitted through 1 10 ohm line at 22000 volt, the power loss in the form of heat will be	A. 0.1 watt B. 1 watt C. 10 watt D. 100 watt
13	Potentiometer is more sensitive than voltmeter, because	A. Voltmeter has a very high resistance B. Voltmeter has a very low resistance C. Potentiometer does not draw any current from a source of unknown potential difference D. Potentiometer is sensitive
14	The threshold frequency of sodium is $6 \times 10^6 \text{MHz}$. The cut-off wavelength for this metal will be	A. 500 m B. 500 nm C. 500 km D. 500 cm E. None of these
15	A dirty carpet is to be cleaned by heating. This is in according withlaw of motion.	A. First B. Second C. Third D. None of these
16	Waves transport energy	A. without transport energy B. with matter C. both of them D. none of them
17	In Bernoulli's theorem the relation between velocity and pressure is	A. Inverse B. Direct C. None of the above D. Both a and b
18	A weakly damped system has fairly	A. sharp resonance curve B. flat resonance curve C. both of them D. none of them
19	Slope of velocity time graph represents:	A. Acceleration B. Speed C. Torque D. Work
20	The time rate of change of displacement is called:	A. Time B. Acceleration C. Speed D. Velocity