

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A resistance used in galvanometer to make it voltmeter is called	A. shunt resistance B. high resistance C. zero resistance D. none of these
2	The process in which energy is dissipated from the oscillating system is known as	A. resonance B. interference C. diffraction D. damping
3	The location and speed anywhere on earth can now be determined using relativistic effects by NAVISTAR to an accuracy of	A. 2 cm/s B. 20 cm/s C. 200 cm/s D. 2000 cm/s
4	Amplitude in SHM is equivalent to in circular motion	A. Diameter B. Radius C. Circumference D. None of these
5	The unit of resistance is	A. volt B. ampere C. ohm D. coat
6	The colour sequence in a carbon resistor in red, brown, orange and silver. The resistance of the resistor is	A. 21 x 10 ³ <u>+</u> 10% B. 23 x 10 ¹ <u>+</u> 10% C. 21 x 10 ³ <u>+</u> 5% D. 12 x 10 ³ <u>+</u> 5%
7	The natural frequency of a pendulum which is vibrating freely, depends upon its	A. mass B. length C. material D. all of them
8	Which of the following quantities remain constant in step up transformer?	A. Current B. Voltage C. Power D. Heat
9	A ball is dropped downwards After 1 second another ball is dropped downwards from the same point. What is the distance between them after 3 seconds	A. 25 m B. 20 m C. 50 m D. 9.8 m
10	The phenomenon of generation of induced emf is called:	A. Electrostatic induced B. Magnetic induced C. Electromagnetic induced D. Electric induced E. Both A and C
11	The work is stored in the inductor as	A. Electric potential energy B. Elastic potential energy C. Magnetic energy D. Absolute potential energy
12	A current of 1 ampere is passing through a conductor. The charge passing through it in half a minute s	A. One coulomb B. 0.5 coulomb C. 30 coulombs D. 2 coulombs E. None of these
13	plays the same role during angular motion as played by the mass in linear motion	A. Torque B. Angular Momentum C. Moment of a force D. Moment of inertia
14	The work performed on an object does not depend on	A. Force applied B. Angle at which force is inclined to the displacement C. Initial velocity of the object D. Displacement
		A. <span <="" style="font-size:12.0p" td="">

15	The obvious effect/s of current is/are:	line-height:107%;font-family:"Times New Roman","serif"">Heating effect<0:p> B. Magnetic effect<0:p> C. Chemical effect<0:p> D. Both (C) and (B)<0:p> E. E. E. E. All of these
16	The velocity of light in vacuum can be changed by changing	A. Frequency B. Amplitude C. Wavelength D. None of these
17	A body of mass 0.031 kg attached to one end of a spring of spring constant 0.3 N/m, then time period of spring mass system will be:	A. 1.5 sec B. 2.0 sec C. 2.3 sec D. 2.5 sec
18	Hertz is unit of:	A. Time period B. Displacement C. Amplitude D. Frequency
19	When certain area A is held parallel to the field lines, then:	A. No lines cross this area<o:p></o:p> B. Maximum lines pass through this area<o:p></o:p> C. The number of lines are between zero and maximum<o:p></o:p> D. Both (A) and (B) correct<o:p></o:p> E. Both (A) and (B) correct<o:p></o:p> E. None of these<o:p></o:p>
20	In the formula P = N_0KT , N_0 denotes:	A. Number of molecules per unit per volume B. Number of moles C. Number of molecules D. None of these