

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Speed of light in vacuum depends upon	A. Frequency B. Wavelength C. Amplitude D. None of these
2	If work is done at the rate of 2 k j per second, then total work done is half an hour will be:	A. 0.5 Kwn B. 2 Kwh C. 1 Kwh D. None of these
3	0.1 kg mass will be equivalent to the energy	A. 9 x 10 ¹⁵ J B. 5 x 10 ⁸ J C. 6 x 10 ¹⁶ J D. 9 x 10 ⁻¹⁶ J
4	The energy stored int he water of the dam is:	A. Electric energy B. Kinetic energy C. Potential energy D. None of these
5	The magnitude of the displacement is a line from initial position to final position which is	A. straight B. curved C. either be curved or straight D. none of them
6	Amplitude in SHM is equivalent to in circular motion:	A. Diameter B. Radius C. Circumference D. None of these
7	If a system undergoes a natural process it will go in the direction that causes the entropy of the system plus the environment to increase, this is another statement of	A. second law thermodynamics B. first law of thermodynamics C. third law of thermodynamics D. none of them
8	The fluid is incompressible, if itsdensity is	A. zero B. constant C. very high D. very small
9	Acceleration of a body is negative if the velocity of the body is	A. constant B. increasing C. decreasing D. none of them
10	When the object lies between F and 2F, the image formed by is formed at:	A. Real B. Virtual C. Diminished D. Erect
11	Resistor is a device which convert electric energy to	A. Heat energy B. Chemical energy C. Elastic energy D. All of the above
12	The speed of sound in a medium depends on	A. The elastic property but not on the inertia property B. The inertia property but not on the elastic property C. The elastic property as well as the inertia property D. Neither the elastic property nor the inertia property
13	SHM is type of motion	A. Vibratory B. Linear C. Circular D. None
14	According to the electromagnetic wave theory of light, increasing the intensity of incident light should increase the	A. number of photoelectrons B. size of the photoelectrons C. charge on photoelectrons D. K.E of photoelectrons

15	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%
16	In compressional wave, the layer of medium having reduced pressure is called:	A. Compression B. Elasticity C. Node D. Rarefaction
17	When each particle of the fluid moves along a smoth path, this path is known as	A. straight path B. smooth path C. haphazard path D. steamline
18	The quantity have dimension of ML^2T^{02} will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
19	Compton studied the scattering of x-rays by loosely bound electrons from:	A. NaCl crystal B. Graphite crystal C. Zirconia D. Copper crystal E. None of these
20	The magnetism produced by electrons within an atom can arise from	A. electrons orbiting the nucleus B. electrons posses a spin C. both motions D. none of these motions