

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	If the objects of different masses move with the same velocity, then it is more difficult to stop the	A. lighter of the two B. massive of the two C. any one of them D. both of them
2	The speed of the secondary wavelets as mentioned in Huygen's principle is the speed of propagation of the wave itself.	A. Equal to B. Greater than C. Smaller than D. None of these
3	In solids, only following type/s of wave can travel:	A. Transverse B. Longitudinal C. Both A and B D. None of them
4	A car is turning around a corner at 10 m/sec as it travels along an arc of circle. If value of centripetal acceleration is 10 m/sec ² in this case, find radius of the circular path:	A. 1 m B. 5 m C. 10 m D. 15 m
5	Acceleration produced in a body by a force varies	A. inversely as the applied force B. directly as the applied force C. directly as the mass of the body D. none of them
6	Gamma rays consist of steam of	A. electron B. proton C. photons D. all of these
7	Smaller the damping, the resonance will be	A. more flat B. more sharp C. both of them D. none of them
8	When a stress changes the shape, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
9	In a flow, each particle of the fluid is called a streamline and different streamlinescross each other.	A. Streamline, cannot B. Turbulent, cannot C. Streamline, can D. None of these
10	The value of current gain of n-p-n transistor is of the order of	A. tens B. hundreds C. thousands D. ten thousands
11	The inkjet printer ejects a thin stream of:	A. Water<o:p></o:p> B. Oil<o:p></o:p> C. Ink<o:p></o:p> D. Aquot;Times New Roman","serif"">Any of above<o:p></o:p> E. None of these<o:p></o:p>

12	The solids which has structure in-between order and disorder are called	A. amorphous solids B. polymeric solids C. crystalline solids D. all of them
13	The direction of the streamlines is the same as the direction of the	A. force B. torque C. velocity D. weight
14	The excess (equal in number) of electrons that must be placed on each of two small spheres spaced 3 cm apart, with force of repulsion between the spheres to be 10^{-19} N, is	A. 25 B. 225 C. 625 D. 1250
15	To designate the voltage as low or 0 by a logic gate, the specified minimum value is:	A. 0.2 volt B. 0.8 volt C. 0 volt D. 2.0 volt E. 5.0 volt
16	A 100 kg car is moving at a speed of 10 m/sec and comes to rest after covering a distance of 50 m. the amount of work done against friction is:	A. +5 x 10 ¹ J B. +5 x 10 ² J C. +5 x 10 ³ J D. +5 x 10 ⁴ J
17	The kinetic energy of one molecule of a gas at normal temperature and pressure will be (k = 8.31 J/mole K):	A. 1.7 x 10 ³ J B. 10.2 x 10 ³ J C. 34 x 10 ³ J D. 6.8 x 10 ³ J
18	The waves moving from a sitar to a listener in air are	A. Longitudinal progressive B. Longitudinal stationary C. Transverse progressive D. Transverse stationary
19	The effect of applying a force on a moving body is to change	A. its direction of motion only B. its speed of motion only C. both the direction and speed of motion D. its inertia only
20	Blood has a density	A. Equal to water B. Greater then water C. Lesser then water D. None of these