

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A charged particle moving at right angle to the magnetic field will experience	A. minimum force B. maximum force C. zero D. moderate force
2	Amorphous solids are also called as	A. crystalline solids B. polymeric solids C. glassy solids D. any one of them
3	While deriving the equation for pressure of a gas we consider the	A. rotational motion of molecules B. vibrational motion of molecules C. linear motion of molecules D. all of them
4	An important part of photocopier is:	A. Toner cartridge B. Deflection plates C. Charging electrode D. Print head E. None of these
5	The locus of all the points in the same phase of vibration is called:	A. Wave packet B. Wave front C. Wave number D. None of them
6	Nucleus consists of	A. proton and neutron B. protons and electron C. electron and neutron D. protons only
7	The permeability of free space is measured in:	A. Wb/Am B. Wb A/m C. Am/Wb D. m/Web A E. None of these
8	A typical four stroke petrol engine undergoes how many successive processes in each cycle	A. one B. two C. three D. four
9	A body moves a distance of 10 m along a straight line under the action of a force of 5 N and work done in 25J. The angle which the force makes with the direction of motion will be	A. 60° B. 90° C. 30° D. 0°
10	The current through a metallic conductor is due to the motion of	A. protons B. neutrons C. electrons D. free electrons

11	The most common source of alternating voltage is:	<p>A. Motor B. Transformer C. AC generator D. Both (A) and (C) E. Both (A) and (B)</p>
12	The SI unit of magnetic permeability is	<p>A. $\text{WB A}^{-1}\text{m}^{-1}$ B. WB mA^{-1} C. WB Am^{-1} D. None of these</p>
13	A labourer carrying a distance a load on his head moves from rest on a horizontal road to another point where he comes to rest. He has done:	<p>A. Minimum work B. Maximum work C. Zero work D. Negative work</p>
14	Swimming is based on the principle of	<p>A. Newton's 1st law B. Newton's 2nd law C. Newton's 3rd law D. All</p>
15	Charge on neutron is	<p>A. $1.6 \times 10^{-19}\text{C}$ B. zero C. $-1.6 \times 10^{-19}\text{C}$ D. $1.2 \times 10^{-19}\text{C}$</p>
16	According to the Bernoulli's equation, where the speed of the fluid is high, the pressure will be	<p>A. low B. zero C. high D. all of them</p>
17	Which of the following can become a good permanent magnet	<p>A. iron B. steel C. both of them D. none of them</p>
18	Rate of change of momentum is called	<p>A. Impulse B. Force C. Torque D. Momentum</p>
19	An object thrown in arbitrary direction in space with an initial velocity and moving freely under gravity will follow	<p>A. a circular path B. a straight line C. a hyperbola D. a parabola</p>
20	The special theory of relativity treats problems involving	<p>A. inertial frame of references B. accelerating frame of references C. both of these D. none of these</p>