

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The henry is the unit for	A. Resistance B. Magnetic flux C. Magnetic field D. Inductance
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 Kwh B. 2 Kwh C. 1 Kwh D. None of these
3	A ball falls on the surface from 10 m height and rebounds to 2.5 m. if the duration of contact with the floor is 0.01 seconds then the average acceleration during contact is	A. 2100 m/s ² B. 1400 m/s ² C. 700 m/s ² D. 400 m/s ²
4	A body moves a distance of 10 m along a straight line under the action of a force of 5 N. If the work done is 25 J, the angle which force makes with the direction of motion of a body is:	A. 0° B. 30° C. 60° D. 90°
5	A 60 W bulb operates on 220 V supply. The current flowing through the bulb is	A. 11/3 A B. 3 A C. 3/11 A D. 6
6	Good absorbers of heat are	A. Poor emitters B. Non emitters C. Good emitters D. Highly polarized
7	When a body is moves along a circular path with constant speed, it has an acceleration, which is always directed:	A. Along the tangent B. Toward the centre C. Away from the centre D. None of them
8	When radioactive nucleus emits aβ-particle, the proton-neutron ratio	A. decrease B. increase C. same D. none of these
9	The energy stored in a charge capacitor	A. 1/2CV ² B. 1/2C ² /V C. 1/2C/V ² D. None of these
10	At high altitude the blood oozes out of the nose and ear because	A. The blood pressure increase at high altitudes B. The percentage of oxygen in the air increase C. The atmospheric pressure decrease there D. The atmospheric pressure increase there

		D. The density of blood decrease at high altitudes
11	Blood has a density	A. Equal to water B. Greater then water C. Lesser then water D. None of these
12	Every crystalline solid has	A. definite melting point B. different melting points C. may or may not be definite D. none of them
13	The phase angle of a series RLC circuit at resonance is	A. 180° B. 90° C. 0° D. None of the these
14	Where the streamlines are very far apart from each other, the pressure will be	A. low B. zero C. high D. all of them
15	Magnetic lines of force:	A. Cannot intersect at all B. Intersect at infinity C. Intersect within magnet D. Intersect at Neutral Point E. None of these
16	Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:	A. More then c B. Approaching c C. Equal to c D. Much less than x
17	Viscosity of water is _____ that of air but ____ that of plasma.	A. More, more B. Less, more C. Less, less D. More, less
18	The time required for a radioactive material to decrease in active by one half is called	A. half time B. half life C. disintegration time D. mean life
19	The length of rotating vector (on a certain scale) represents the:	A. Peak value of alternating quantity B. RMS value of alternating quantity C. Instantaneous value of alternating quantity D. Either (B) or (C) E. Either (A) or (B)
20	If a gymnast sitting on a rotating stool with his arms outstretched, brings his arms towards the chest, then its angular velocity will	A. Increase B. Decrease C. Remain constant D. None of these