

## Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
2	To make an LED, it is impreacticable to use:	A. Silicon B. Gallium arsenide C. Gallium arsenide phosphide D. Iron E. Both (B) and (C)
3	Average KE of a gas molecule has:	A. Direct relation with absolute temperature and inverse relation with pressure B. Direction relation with both absolute temperature and pressure C. Inverse relation with both absolute temperature and pressure D. None of these
4	A snooker ball moving with velocity V collides head on with another snooker ball of same mass at rest. If the collision is elastic, the velocity of second snooker ball is	A. Zero B. Infinity C. V D. 2 V
5	If m means mass of gases objected per second from a rocket and v shows the change in velocity, than mv is named as:	A. Force B. Energy C. work D. impulse
6	Static electricity is produced by the transfer of:	A. Electrons B. Protons C. One fluid D. Two fluid E. None of these
7	The average value of current and voltage over a cycle is	A. Positive B. Negative C. Zero D. May be positive or negative
8	Balmer series was identified in:	A. 1685 B. 1785 C. 1885 D. 1985 E. 1585
9	When a body moves along a circular path with constant speed, it has an acceleration, which is always directed	A. Along the tangent B. Towards the centre C. Away from the centre D. None of them
10	The r.m.s. value of alternating current is equal to its maximum value at angle of	A. 60 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> B. 45 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> C. 30 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> D. 90 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span>
		A. Zero B. 5 <span style='color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px, text-align: center; background-color: rgb(255, 255, 248);'><b>µ</b></span> C m <sup>-2</sup> C. 20 <span style="color: rgb(34, 34, 34, 34);"><b>µ</b></span> C m <sup>-2</sup>

11

	פופטנווט וופוע מנ נוופ טפונעפ טו נוופ סטונפופ זו ונס ומטועס וס ב ווופנפוס:	align: center; background-color: rgb(255, 255, 248);"> <b>µ</b> C m <sup>-2</sup> D. 8 <span style='color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 24px; text-align: center; background-color: rgb(255, 255, 248);'><b>µ</b> </span> C m <sup>-2</sup>
12	The amplitude of oscillation of each atom in a metallic crystal rises with the	A. rise in temperature B. decrease in temperature C. even temperature remains constant D. all of them
13	When the speed of a body in a fluid increases then the drag force	A. decreases B. becomes zero C. increases D. non of them
14	If the stress increased beyond the elastic limit of the material, the deformation produced in the material will be	A. permanent B. temporary C. either of them D. none of them
15	Work done on a body by gravity in lifting it up to certain height is	A. Maximum B. Minimum C. Zero D. Negative
16	In the stress-strain graph, stress is increased linearly with strain until a point is reached, this point is known as	A. plastic limit B. plastic deformation C. proportional limit D. elastic behaviour
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	A police motor cycle running at 140 km/Hr. The apparent frequency heard by the car driver is.	A. Greater than 10 KHZ B. 10 KHZ C. Then siren will not be heard D. Less than 10 KHZ
19	Electron is a particle whose mass is:	A. Greater than that of a proton B. Smaller than that of a proton C. Smaller than that of a proton or a neutron D. Greater than that of an atom
20	According to Rutherford atomic model, the positive charge in an atom	A. is concentrated at its centre B. is in the form of positive electron at same distance from its centre C. is spread uniformly through its volume D. none of these