

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

Sr	Questions	Answers Choice
1	Gamma rays consist of steam of	A. electron B. proton C. photons D. all of these
2	Radiation detector are used to	A. measure intensity of radiation B. measure energy of radiation C. difference between different types of radiation D. all the above
3	The powers of tow electric bulbs are 100 W and 200 W. Both of them are joined with 220 V mains. The ratio of resistances of their filaments will be	A. 1:2 B. 2:1 C. 1:4 D. 4:1
4	The useful unit of angular replacement in SI unit is:	A. Degree B. Revolution C. Radian D. Metre
5	Sound waves in air always	A. Longitudinal B. Transverse C. Stationary D. Electromagnetic
6	The smallest three dimensional basic structure is called as:	A. An atom B. Unit cell C. Crystal lattice D. Polymer E. None of these
7	Ohm's law states that	A. The current through a resistor is directly proportional to the applied voltage B. The voltage across a resistor is directly proportional to the current passing through it C. Resistance is the constant of proportionality between the voltage and current D. all of these
8	Polymeric solids have	A. low specific gravity B. high specific gravity C. either of them D. none of them
9	The conventional current is the name given to current due to flow of	A. Positrons B. Positive charges C. Negative charges D. Both A and C E. None of these
10	A vector which has magnitude 'one' is called:	A. Resultant vector B. A unit vector C. Position vector D. None of these
11	The ratio of the r.m.s value of the applied voltage to the r.m.s value of resulting a.c. is	A. Impedance B. Inductance C. Reactance D. Resistance
12	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
13	The work performed on an object does not depend on:	A. Force applied B. Angle at which force is inclined to the displacement C. Initial velocity of the object D. Displacement

14	The work done on the body will be zero if:	A. No force is applied on the body B. Force is applied but no displacement C. Angle between F(force) and d(displacement) is 90 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial; ">°</span> D. All of these are correct
15	The CRO is used for displaying the waveform of a given	A. current B. voltage C. both of them D. none of them
16	An induced current can be produced by:	A.

20 The temperature at which the speed of sound becomes double as was at 27  $^{\circ}\text{C}\:\text{is}$ 

A. 273<span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span>
B. 0<span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> size: smail; > C</span>
C. 927<span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;"> C</span>
D. 1027<span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;"> C</span>