

## ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	Amorphous solids are also called as	A. crystalline solids B. polymeric solids C. glassy solids D. any one of them
2	Ferromagnetic substances lose their magnetism when heated above a certain temperature, known as	A. critical temperature B. curie temperature C. high temperature D. fixed temperature
3	The reactance of a coil when used in the domestic A.C. power supply (220 volts, 50 cycles per second) is 50 ohms. The inductance of the coil is nearly	A. 2.2 henry B. 1.6 henry C. 0.22 henry D. 0.16 henry
4	The mass of an object will be doubled at speed	A. $1.6 \times 10^{8} \text{ ms}^{-1}$ B. $2.6 \times 10^{8} \text{ ms}^{-1}$ C. $2.6 \times 10^{7} \text{ ms}^{-1}$ D. $2.6 \times 10^{9} \text{ ms}^{-1}$
5	The space around the earth within which it exerts a force of attraction on other bodies is known as:	A. Nuclear field B. Conservative field C. Electric field D. Gravitational field
6	The principle of superposition states that	A. The total displacement due to several waves is the sum of the displacement due to those waves acting individually B. Two stationary waves superimpose to give two progressive waves C. A diffraction pattern consists of many interference patterns superimposed on one another D. Two progressive waves superimpose to give a stationary wave
7	Which of the following diode is used for the detection of light	A. photo diode B. light emitting diode C. photo voltaic cell D. all of them
8	For transmission of both transverse and longitudinal waves, we can use:	A. Solid B. Gas C. Plasma D. None of these
9	An object undergoes SHM. Its maximum equilibrium positions:	A. Maximum B. Half of its maximum value C. Zero D. None
10	For measuring the angle between two vectors graphically, we join:	A. Tails of both the vectors B. Tail of one vector with the head of other C. Heads of both the vectors D. None of these
11	The state in which ice, water and vapour coexists in equilibrium is called	A. zero degree celsius B. zero degree fahrenheit C. absolute zero D. 373 K
12	In a resonance situation the amplitude of the motion may become extra ordinarily large, if	A. the driving force is large B. the driving force is zero C. the driving force may be feeble D. all of them
13	The behaviour of gases is well accounted by the kinetic theory based on	A. microscopic approach B. macroscopic approach C. both of them D. none of them

14	The path described by a projectile is called its	A. orbit B. trajectory C. range D. distance
15	The consumption of energy by a 60 W bulb in 2 minutes is:	A. 2 watt-hour B. 120 watt-hour C. 30 watt-hour D. None of these
16	A grating with high resolving power can distinguish _____ difference in wavelengths :	A. Smaller B. Larger C. Zero D. None of these
17	The total work done in moving the body up and then down through the same height in a gravitational field is equal to:	A. mgh B. Its wight C. Weight X height D. Zero
18	The conventional current is the name given to current due to flow of:	A. <span style='font-family: "Times New Roman", serif; font-size: 12pt; text-align: justify;'>Positrons</span> B. <span style='font-size: 12pt; line-height: 107%; font-family: "Times New Roman", serif;'>Positive charges</span> C. <span style='font-size: 12.0pt; line-height: 107%; font-family: "Times New Roman", serif;'>Negative charges</span> D. <span style='font-size: 12.0pt; line-height: 107%; font-family: "Times New Roman", serif;'>Both (A) and (C)</span> E. <span style='font-size: 12.0pt; line-height: 107%; font-family: "Times New Roman", serif;'>None of these</span>
19	If one volt is needed to cause a current of one ampere to flow in a conductor, its resistance is	A. one ohm B. one joule C. one volt D. one ampere
20	When electrons in the transmitting antenna vibrate 94000 time per second, they produce radiowaves having frequency	A. 9.4 kHz B. 940 kHz C. 94 kHz D. None of these