

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

Sr	Questions	Answers Choice
1	1 amu is equal to	A. $1.66 \times 10^{-24}$ kg B. $1.66 \times 10^{-19}$ kg C. $1.66 \times 10^{-34}$ kg D. $1.66 \times 10^{-27}$ kg
2	When a shell explodes a mid-air, the total momentum of its fragments is	A. less than the momentum of shell B. equal to the momentum of shell C. greater than the momentum of shell D. none of them
3	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 density of blood decrease at high altitudes
4	At constant volume temperature is increased. Then	A. Collision on walls will be less B. Number of collisions per unit time will increase C. Collision will be in straight lines D. Collision will not change
5	The unit of conductance is	A. ohm B. meter C. mho D. ohm-meter
6	Laws of motion are not valid in a system which is	A. inertial B. non-inertial C. at rest D. moving with uniform velocity
7	Which waves are used in sonography?	A. Microwaves B. Infra red waves C. Sound waves D. Ultrasonic waves
8	When sound waves travel from air to water which of these remains constant?	A. Velocity B. Frequency C. Wavelength D. All the above
9	Power is a :	A. Vector quantity B. Base quantity C. Scalar quantity D. None of these
10	Semi-conductor elements have atoms with	A. 2 valence electrons B. 3 valence electrons C. 4 valence electrons D. 5 valence electrons
11	Electric intensity at a place due to a charged conductor is a	A. Scalar quantity B. Vector quantity C. Semi vector and semi scalar D. Dimensionless quantity E. Both A and D are true
12	The speed of a pendulum is measured to be 3.0 s in the inertial reference frame of the pendulum. What is its period measured by an observer moving at a speed of 0.95 c with respect to the pendulum	A. 2.9 s B. 3.0 s C. 6.6 s D. 9.6 s
13	A thermistor with positive temperature coefficient is used to measure temperature in a furnace. As the furnace heats up, the resistance value of the thermistor.	A. Decrease B. Remains unchanged C. Increase D. None of the above
14	An induced current can be produced by	A. Constant magnetic field B. Changing magnetic field C. Varying electric field D. None of these

		D. Constant electric field E. None of these
15	Associated with the motion of a driven harmonic oscillator, there is a very striking phenomenon, know as	A. waves B. beat C. interference D. resonance
16	We can express the work in term of	A. directly measurable variables B. indirectly measurable variables C. either of them D. both of them
17	The product of force and time is called	A. acceleration B. linear momentum C. angular momentum D. impulse
18	Field lines are closer to each other in the region where the filed is	A. Stronger B. Weaker C. Much weaker D. Absent E. None of these
19	Substances that do not flow easily have	A. large coefficient of viscosity B. small coefficient of viscosity C. either of them D. none of them
20	Which of the following phenomenon proves the particle nature of light	A. interference B. diffraction C. photoelectric effect D. none of these