

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

Sr	Questions	Answers Choice
1	Fire fighters have a jet attached to the head of their water pipes in order to head of their water pipes in order to	A. Increase the mass of water flowing per second B. Avoid wastage of water C. Increase the velocity of water flowing out D. Increase the volume of water flowing per second
2	Two conductors having the same type of charges are connected by a conducting wire. There would not be any amount of charges on them if	A. They have the same potential B. They have the same amount of charge C. They have the same capacity D. They have the same shape
3	If the vector 5 N lies along with x-axis, then its component along y-axis will be:	A. Zero B. 5 N C. 7 N D. 10 N
4	Polymers are the chemical combination of carbon with:	A. Nitrogen B. Oxygen C. Hydrogen D. All of these E. None of these
5	Light year is a unit of	A. Time B. Distance C. Velocity D. Intensity of light
6	The shell closer to the nucleus is called:	A. N shell B. L shell C. K shell D. M shell E. O shell
7	Diameter of the nucleus s of the order of	A. $10^{-10}$ m B. $10^{-12}$ m C. $10^{-15}$ m D. $10^{-18}$ m
8	A particle moving uniformly along circle its projection along diameter performs	A. Linear motion B. Projectile motion C. SHM D. Rotatory motion
9	Triple point of water is	A. $273.16^{\circ}\text{F}$ B. $372.16\text{K}$ C. $273.16^{\circ}\text{F}$ D. $273.16$
10	The earth's potential is taken as	A. Negative B. Positive C. Zero D. Infinite
11	Light waves are:	A. Transverse wave B. Longitudinal wave C. Compressional wave D. None of them
12	X-ray are also known as	A. Roentgen rays B. Maxwell rays C. Plank range D. Einstein rays
13	The center of mass of a sphere lies at:	A. The axis of the sphere B. Circumference of sphere C. Center of the sphere D. None of them

14	The mass of the object is a quantities measure of its	A. speed B. velocity C. acceleration D. inertia
15	In an adiabatic process the work is done at the expense of the	A. energy supplied to the system B. energy gained from the surroundings C. internal energy D. none of them
16	According to the de-Brogile relation, an object of large mass and ordinary speed has	A. very small wavelength B. very large wavelength C. very small frequency D. all of these
17	The quantity $F \times t$ is called as	A. momentum B. velocity C. acceleration D. impulse
18	The internal energy of an ideal gas system is generally the	A. translational K.E of molecules B. vibrational K.E of molecules C. rotational K.E of molecules D. all of them
19	To designate the voltage as low or 0 by a logic gate, the specified minimum value is:	A. 0.2 volt B. 0.8 volt C. 0 volt D. 2.0 volt E. 5.0 volt
20	The tidal energy is produced due to rotation of Earth relative to:	A. Moon B. Sun C. Oceans D. Water