

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

Sr	Questions	Answers Choice
1	Which one of the following is dimensionless:	A. Acceleration B. Velocity C. Density D. Angle
2	The colour sequence in a carbon resistor in red, brown, orange and silver. The resistance of the resistor is	A. $21 \times 10^3 \Omega$ 10% B. $23 \times 10^1 \Omega$ 10% C. $21 \times 10^3 \Omega$ 5% D. $12 \times 10^3 \Omega$ 5%
3	The materials in which valence electrons are bound very tightly to their atoms and are not free, are known as	A. conductors B. insulators C. semi-conductors D. all of them
4	Direction of motion _____ in circular motion	A. Changes off and on B. Changes continuously C. Does not change D. None of them
5	In case of streamed lined flow of liquid, the loss of energy is	A. Maximum B. Minimum C. Infinite D. equal to what is in turbulent flow
6	Energy stored in the spring of a watch is called	A. Potential energy B. Kinetic energy C. Nuclear energy D. Elastic potential
7	Smaller the damping, greater will be the	A. frequency B. wavelength C. amplitude D. none of them
8	A current of 1.6 A is passed through a solution of CuSO_4 . How many Cu^{2+} ions are liberated in one minute?	A. 3×10^{20} B. 3×10^{10} C. 6×10^{20} D. 6×10^{10}
9	The highest efficiency of a heat engine whose low temperature is 17°C and the high temperature is 200°C is	A. 70% B. 100% C. 35% D. 38%
10	The velocity gained by the fluid in falling through the distance ($h_1 - h_2$) under the action of gravity is equal to the speed of the action of gravity is equal to the speed of the	A. orifices B. efflux C. fluid D. none of them
11	A hole in p-type may be due to:	A. Trivalent impurity B. Breking of some covalent bond C. Pentavalent impurity D. Germanium E. Either (A) or (B)
12	Tick the conservation force:	A. Tension in a string B. Air resistance force C. Elastic spring D. Frictional force
13	The electric intensity at infinite distance from the point charge will be	A. Infinite B. Positive C. Zero D. Negative
14	An inertial frame of reference is that frame of reference in which	A. $\frac{b}{a} = 0$ B. $\frac{b}{a} > 0$ C. $\frac{b}{a} < 0$ D. all of them

15	when the deformation produced in the material become permanent, this type of behaviour is called	A. proportionality B. elasticity C. plasticity D. none of them
16	Hydrogen atom with only one proton and one neutron in its nucleus, and one electron, is called	A. deuterium B. protium C. tritium D. none of these
17	Decibel is unit of	A. Intensity of light B. x-ray radiation capacity C. sound loudness D. Energy of radiation
18	When the pn-junction is in reversed biased, current flows through the junction due to the	A. majority carriers B. minority carriers C. either of them D. none of them
19	The natural frequency of a pendulum which is vibrating freely, depends upon its	A. mass B. length C. material D. all of them
20	Physics deals with the study of	A. Matter B. Energy C. Both of them D. Human Body