

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

Sr	Questions	Answers Choice
1	As the current flow through the wire:	<p>A. It generates heat in the wire</p> <p>B. It produces sound in the wire</p> <p>C. Resistance of the wire decreases</p> <p>D. Voltage across the ends is increased</p> <p>E. None of these</p>
2	Examples of crystalline solids are:	<p>A. Cooper</p> <p>B. NaCl</p> <p>C. Zirconia</p> <p>D. Both (A) and (B)</p> <p>E. All of these</p>
3	Area under the force displacement graph gives	<p>A. Power</p> <p>B. Work</p> <p>C. Heat</p> <p>D. Energy</p>
4	Smaller the damping, the resonance will be	<p>A. more flat</p> <p>B. more sharp</p> <p>C. both of them</p> <p>D. none of them</p>
5	Referring to the above figure, we can say that of all the elements, the most stable element is	<p>A. Phosphours</p> <p>B. Iron</p> <p>C. uranium</p> <p>D. Lithium</p> <p>E. Bismuth</p>
6	The terminal velocity of a small size spherical body of radius R moving in a fluid varies as	<p>A. R</p> <p>B. R^2</p> <p>C. $1/R$</p> <p>D. $(1/R)^2$</p>
7	A choke coil is used as a resistance in	<p>A. d.c. circuit</p> <p>B. a.c. circuit</p> <p>C. d.c. potentiometer circuit</p> <p>D. wheatstone bridge</p>
8	Majority charge carriers in the p-region of p-n junction are:	<p>A. electrons</p> <p>B. positrons</p> <p>C. Holes</p> <p>D. Neutrons</p> <p>E. None of these</p>
9	Acceleration produced in a body by the force varies	<p>A. inversely as the applied force</p> <p>B. directly as the applied force</p> <p>C. directly as the mass of the body</p> <p>D. none of them</p>
10	According to Einstein, with the great increase in the speed of the body, the relativistic mass of the body	<p>A. Remains constant</p> <p>B. Decreases</p> <p>C. Increases to infinity</p> <p>D. Reduced to zero</p>

11	If we draw a graph between d (along x-axis) and F (along y-axis) and get a straight line horizontal to x-axis, then area under this straight line represents:	A. Power B. Work C. Pressure D. None of these
12	Which of the following has a great concentration of impurity	A. base B. emitter C. collector D. none of these
13	A body whose momentum is constant must have constant	A. Acceleration B. Velocity C. Force D. None of these
14	CRO deflects the beam of	A. proton B. α -particle C. electron D. neutron
15	In metallic crystals which of the following thing remains constant	A. amplitude of oscillations B. temperature of solid C. average atomic positions D. all of them
16	The effect of friction between different layers of a flowing fluid is described in terms of	A. motion of fluid B. nature of fluid C. colour of fluid D. viscosity of fluid
17	A photon is considered to have	A. Momentum B. Energy C. Wavelength D. All of the above
18	The _____ viscous the medium is _____, is the value of terminal velocity of the droplet:	A. More, lesser B. Lesser, more C. Both A and B D. Lesser, lesser
19	The commercial unit of electrical energy is :	A. K Watt B. KWH C. Horse power D. Joule
20	Which one of the following is not a vector quantity?	A. Kinetic energy B. Acceleration C. Momentum D. Force