

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

Sr	Questions	Answers Choice
1	The motion of a projectile is	A. one dimension B. two dimension C. three dimension D. all of them
2	The horizontal component of a projectile moving with initial velocity of 500 ms^{-1} at an angle 60° to x-axis is	A. 500 ms^{-1} B. 1000 ms^{-1} C. 250 ms^{-1} D. Zero
3	Fluids resist force, This property is called	A. Stiffness B. Strength C. Ductility D. Elasticity
4	The sum of positive and negative peak values are usually written as	A. P-P value B. negative C. zero D. may be positive or negative
5	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
6	An amount of water of mass 20 g at 0°C is mixed with 40 g of water at 10°C . Final temperature of mixture is	A. -20°C B. 6.67°C C. 5°C D. 0°C
7	According to Einstein, with the great increase in the speed of the body, the relativistic mass of the body	A. Remains constant B. Decreases C. Increases to infinity D. Reduced to zero
8	Work done is maximum when angle between force and displacement is	A. 0° B. 90° C. 180° D. None of these
9	Work is always done on a body when:	A. A force acts on it B. It moves through certain distance C. None of A or B is correct D. Both A and B is correct
10	Which of the following diodes can operate in the reverse biased condition	A. photo diode B. light emitting diode C. photo voltaic cell D. none of these
11	Good absorbers of heat are	A. Poor emitters B. Non emitters C. Good emitters D. Highly polarized
12	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
13	The materials in which there are plenty of free electrons for electrical conduction are known as	A. conductors B. insulators C. semi-conductors D. all of them

A. The average velocity and the instantaneous velocity of C are equal

14	With reference of figure P-1 which of the following statements relating the average velocity for the complete path and the instantaneous velocity at point Velocity at point C is true.	<p>B. The relation depends upon the mass of the toy car</p> <p>C. The average velocity is greater than the instantaneous velocity at C equal</p> <p>D. The instantaneous velocity at C is greater than the average velocity.</p>
15	The nature of thermal radiation is similar to:	<p>A. Ultraviolet rays</p> <p>B. Light rays</p> <p>C. Both of them</p> <p>D. None of these</p>
16	One newton is a force that produces an acceleration of 0.5 m/sec^2 in a body of mass:	<p>A. 2 Kg</p> <p>B. 3 Kg</p> <p>C. 4 Kg</p> <p>D. 8 Kg</p>
17	Reception of particular radio station is selected by tuning knob of radio, tuning the tuning knob changes the.	<p>A. Inductance</p> <p>B. Impedance</p> <p>C. Capacitance</p> <p>D. All</p>
18	During the upward motion of the projectile, the vertical component of velocity.	<p>A. Decreases</p> <p>B. Increases</p> <p>C. Remains constant</p> <p>D. None of these</p>
19	It is customary represent a current flowing towards the reader by a symbol	<p>A. (x)</p> <p>B. (+)</p> <p>C. (.)</p> <p>D. (-)</p> <p>E. (<o:p></o:p></p>)</p>
20	The magnitude of the displacement is a line from initial position to final position which is	<p>A. straight</p> <p>B. curved</p> <p>C. either be curved or straight</p> <p>D. none of them</p>