

## 9th Class Physics English Medium Online Test For Full Book

Sr	Questions	Answers Choice
1	A displacement can is used to measure.	A. Mass of liquid B. Mass of solid C. Volume of a solid D. Volume of a liquid
2	In Kelvin scale, the temperature corresponding to melting point of ice is	A. +273 B. -273 C. 32 D. Zero
3	A wire is stretched by a weight $w$ . If the diameter of the wire is reduced to half of its previous value, the extension will become	A. Four times B. Double C. One fourth D. One half
4	SI unit of linear momentum is	A. $\text{kg m}^{-1} \text{s}^{-1}$ B. $\text{kg m s}^{-1}$ C. $\text{kg m}^2 \text{s}^{-1}$ D. Nm
5	A ball with initial momentum $p$ hits a solid wall and bounces back with the same velocity. Its momentum $p$ after collision will be.	A. $P' = p$ B. $P' = -P$ C. $P' = 2P$ D. $P' = -2P$
6	Which of the following is not a form of internal energy.	A. Light energy B. Kinetic energy of the particles C. Potential energy of the particles D. Chemical energy of the bonds between the particles
7	A force is acting on a body but causes no displacement. The work done on the body is	A. Negative B. Zero C. Positive D. Infinite
8	A large force acts on an object for a very short interval of time. In the case, it is easy to determine.	A. Magnitude of force B. Time interval C. Product of force and time D. None of these
9	A weight lifter of power 1960 watt lifts a load of mass ' $M$ ' from the ground to a height of 2 m in 3 seconds ' $M$ ' is.	A. 200 kg B. 100 kg C. 400 kg D. 300 kg
10	How do the molecules in a solid behave.	A. Move randomly B. Move in a straight line from hot to cold ends C. Vibrate about their mean position D. Rotate and vibrate randomly at their own positions
11	When a hanging carpet is beaten by a stick, dust flies off the carpet. It is mainly due to.	A. Action force on carpet B. Inertia of dust C. Reaction force by carpet D. Rate of change of momentum of carpet
12	A force $F$ is making an angle of $60^\circ$ with the x-axis. Its y-component is equal to.	A. $F$ B. $F \cos 60^\circ$ C. $F \sin 60^\circ$ D. $F \tan 60^\circ$
13	An object with a mass 5 kg moves at a constant velocity of $10 \text{ ms}^{-1}$ . A constant force then acts for 5 seconds on the object and gives it a velocity of $2 \text{ ms}^{-1}$ in the opposite direction. The force acting on the object is.	A. -12 N B. 5 N C. -10 N D. -15 N
14	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00

15	Physics is a branch of	A. Biological science B. Physical Science C. Life science D. Social science
16	If a car doubles its speed, its kinetic energy will be	A. Increased to four times B. The same C. Doubled D. Increased to the three times
17	A ball weighing 50 N is lifted to a height of 5 metre. The potential energy stored in it is.	A. 25 J B. 250 J C. 55 J D. 45 J
18	A box is taken to the second floor at a building by doing some work. This work converts to.	A. Kinetic energy B. Heat energy C. Potential energy D. Sound energy
19	Pressure of liquid in a container increase with	A. Depth B. Volume C. Mass D. Base
20	Which one of the following unit is not a derived unit.	A. Kilogram B. Watt C. Newton D. Pascal