

## Physics 9th Class English Medium Unit 5 Online Test

Sr	Questions	Answers Choice
1	Work done is maximum when the angle between the force $F$ and the displacement $d$ is	A. $60^\circ$ B. $30^\circ$ C. $0^\circ$ D. $90^\circ$
2	A Joule can also be written as.	A. $\text{kgms}^{-2}$ B. $\text{kgms}^{-1}$ C. $\text{kgms}^{-2}\text{S}^{-2}$ D. $\text{kgms}^{-2}\text{S}^{-3}$
3	The SI Unit of Power is	A. Watt B. Joule C. Newton D. Second
4	The power of a water pump is 2 kW. The amount of water it can raise in one minute to a height of 5 meter is	A. 2400 litres B. 1000 litres C. 1200 litres D. 2000 litres
5	A bullet of mass 0.05 kg has a speed of $300 \text{ ms}^{-1}$ . Its kinetic energy will be.	A. 2250 J B. 4500 J C. 1500 J D. 1125 J
6	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
7	The energy possessed by a body by virtue of its position is.	A. Solar energy B. Chemical energy C. Potential energy D. Kinetic energy
8	The magnitude of momentum of an object is doubled. the kinetic energy of the object will	A. Double B. Increase to four times C. Reduce to one half D. Remain the same
9	Which of the following is not renewable energy source.	A. Fossil fuels B. Hydroelectric energy C. Wind energy D. Solar energy
10	The unit of work or energy joule is equal to.....	A. Newton metre B. Horsepower C. Watt metre D. Newton second
11	A car, an elephant and a cricket ball have same kinetic energies, Which of these have greater speed.	A. Car B. Cricket ball C. All have same speed D. Elephant
12	A heavy and a lighter object have same momentum. The object with greater kinetic energy is.	A. Heavy B. Lighter C. Same kinetic energy D. Either a or b
13	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
14	A weight lifter of power 1960 watt lifts a load of mass 'M' from the ground to a height of 2 m in 3 second 'M' is.	A. 200 kg B. 100 kg C. 400 kg D. 300 kg
15	What is the power utilized when 100 J of work is done in 5 s.	A. 10 W B. 500 W C. 20 W D. ....

		D. 105 W
16	The SI unit of power	A. erg B. Newton C. Watt D. Joule
17	One unit of horsepower is equivalent	A. 716 W B. 746 W C. 736 W D. 756W
18	A 4 kg body is thrown vertically upward from the ground with a velocity of 5 ms <sup>-1</sup> . If friction is neglected its kinetic energy just before hitting the ground is.	A. 25 J B. 100 J C. 50 J D. 75 J
19	A ball is thrown downward with an initial velocity, its.	A. Ek increases and Ep decreases B. Ek decreases and Ep increases C. Both Ek and Ep increases D. Both Ek and Ep decreases
20	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
21	The type of energy derived from heated ground water is	A. Tidal energy B. Hydroelectric energy C. Nuclear energy D. Geothermal energy
22	Which one is renewable source of	A. Coal B. Uranium C. Sunlight D. Natural gas
23	A Partical engine cannot have an efficiency equal to.	A. 0 B. 1 C. 0.8 D. 0.5
24	A force is acting on body but causes no displacement. The work done on the body is	A. Negative B. Zero C. Positive D. Infinite