Work, Energy and Power

Sr	Questions	Answers Choice
1	A force is acting on body but causes no displacemtn. The work done on the body is	A. Negative B. Zero C. Positive D. Infinite
2	The power of a waer pump is 2 kW. The amoutn 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
3	The SI Unit of Power is	A. Watt B. Joule C. Newton D. Second
4	A bullet of mass 0.05 kg has a speed of 300 ms-1. Its kinetic energy will be.	A. 2250 J B. 4500 j C. 1500 J D. 1125 J
5	The unit of work or energy joule is equal to.....	A. Newton metre B. Horsepower C. Watt metre D. Newton second
6	A heavy and a lighter object have same momentum. The object with greater kineic energy is.	A. Heavy B. Lighter C. Same kinetic energy D. Either a or b
7	The SI unt of power	A. erg B. Newton C. Watt D. Joule
8	A box is taken to the second floor at a building by doing some work.This work converts to.	A. Kinetic energy B. Heat enegy C. Potential energy D. Sound energy
9	A car, an ele;phant 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
10	A 4 kg body is thrown vertically upward fromt he gorund with a velocity of 5 ms-1. If frictin is neglected tis kinetic energy just before hitting the ground is.	A. 25 J B. 100 J C. 50 J D. 75 J
11	The energy possessed by abody by virtue of its position is.	A. Solar energy B. Chemical energy C. Potential energy D. Kinetic energy
12	One unit of horsepower is equivalent	A. 716 W B. 746 W C. 736 W D. 756W
13	What is the power utilized when 100 J of work is done in 5 s.10 W	A. 10 W B. 500 W C. 20 W D. 105 W
14	A Joule can also be written as.	A. kgms⁻² B. kgms⁻¹ C. kgms⁻²S⁻² D. kgms⁻²S⁻³
15	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
16	Work done is maximum when the angle between the force F and the displacemtn d is	A. 60 ^o B. 30^o C. 0^o D. 90^o
17	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
18	Which one is renewabel source of	A. Coal B. Uranium C. Sunlight D. Natural gas
19	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
20	The type of energy derived from heated groud water is	A. Tidal energy B. Hydroelectric energy C. Nuclear energy D. Geothermal energy