Physics Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	A1 kg mass has potential energy of 1 joule relative to the ground when it is at a height of.	A. 0.102 m B. 1 m C. 9.8 m D. 32 m
2	The dimension of power	A. [ML2 T-3] B. [ML-1T-1] C. [ML2T2] D. [ML-2T-4]
3	According to work energy principle in linear motin. the work doen one body is equal to.	A. Change in K.E. B. Change in P.E. C. Zero D. Sum of K.E and P.e
4	Th dimension of powr is.	A. [ML2 T-3] B. [ML-1T-1] C. [ML2T2] D. [ML-2T-4]
5	Work done on a body for increasing velocity results in.	A. Change in K.E. B. Change in gravitational P.E. C. Change in electric P.E. D. All
6	Power of lamp is 6 W. How much energy does a lamp give out in 2 min?	A. 12 J B. 720 J C. 20 J D. 3 J
7	1 kilowatt is equal =	A. 1000 J /s B. 106 watt C. 0.1 x 10³ Watt D. 6.25 x 10 ^{25 Watt}
8	Kilowatt hour is unit is.	A. Power B. Work C. Force D. Momentum
9	A force of 10 N is rquirired to overcome road friction and air resistanc in propelling an automobile at 30 m/sec. power develped by the engine.	A. 600 W B. 400 W C. 300 W D. 500 W
10	Escape velocity depends upon.	A. Mass of the body B. Radius of the body C. Radius of the planet D. Radius of the Earth
11	When a ball is thrown vertically upward and then falls back to the ground, which force can be considered conservative in this scenario.	A. Air resistance B. Gravity C. Friction betwene ball and air D. Contant force with hand
12	Ratio of dimension of power and K.E. is.	A. 1 : 1 B. T : 1 C. 1 : T D. M : T
13	If P = pressure, Deltat V = change in volume, P Delta V represents	A. Work B. Density C. Power D. Temperature
14	If a body mass 2 kg is raised verticaly through 2 m then the work done will be.	A. 50 J B. -39.2 J C. 35 J D. 40 J

15	1 kilowatt is equal=	A. 1000J/S B. 106 Watt C. 0.1 x 10 ² watt D. 6.25 x 10 ²⁵ J
16	If the velocity of the body becomes double and mass become half thenints K.E.	A. Becomes double B. Beocmes for time C. In halved D. Becomes eight time
17	A dry battery cna deliver 3000 J of energy to a 2 W small electric motor befor the battery is exhausted.For how many minutes does the battery run.?	A. 1500 min B. 100 min C. 25 min D. 50 min
18	A body rest may have.	A. Speed B. Energy C. Velocity D. Momentum
19	Which of the following is non conservative force.	A. Elastic spring force B. Electric force C. Gravitational force D. Tension in string
20	When the force is parallel to the direction of motionof the body the work done is.	A. Minimum B. Maximum C. Infinity D. Zero