Physics Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	1 kilowatt is equal =	A. 1000 J /s B. 106 watt C. 0.1 x 10³ Watt D. 6.25 x 10 ^{25 Watt}
2	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
3	The work done in lifting a boyd of mass m from surface of the earth to an infinite distance is.	A. K.E. B. Absolute P.E. C. Elastic P.E. D. Absolue K.E
4	Which of the following is non conservative force.	A. Elastic spring force B. Electric force C. Gravitational force D. Tension in string
5	The dimension of power	A. [ML2 T-3] B. [ML-1T-1] C. [ML2T2] D. [ML-2T-4]
6	1 kilowatt is equal=	A. 1000J/S B. 106 Watt C. 0.1 x 10 ² watt D. 6.25 x 10 ²⁵ J
7	Two bodies A and B of mass 1 kg and 2 kg respectively have same momentum. Which one has greater KE.	A. Cannot be determined B. A C. B D. Both hae the same K.E.
8	A body rest may have.	A. Speed B. Energy C. Velocity D. Momentum
9	If an agent consumes a power of 1 kW in one hour the work done is.	A. One emega watt hour B. One kile watt hour C. One deci watt hour
10	A field in which the work done in moving a body along a closed path is zero known as.	A. Conservative field B. Nuclear field C. Magnetic field D. Electric field
11	A man carries a bucket of water of 1 kg for 10m height then work done is.	A. 15 J B. 10 j C. 98 J D. 2.5 J
12	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
13	If P = pressure, Deltat V = change in volume, P Delta V represents	A. Work B. Density C. Power D. Temperature
14	Ratio of dimension of power and K.E. is.	A. 1 : 1 B. T : 1 C. 1 : T D. M : T

15	Kilowatt hour is unit is.	A. Power B. Work C. Force D. Momentum
16	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
17	Th dimension of powr is.	A. [ML2 T-3] B. [ML-1T-1] C. [ML2T2] D. [ML-2T-4]
18	The kinetic energy acquired by a distance from rest under eh action of a constant fore is directly proportinal to.	A. <span style="line-height:107%"><span style="font-family:Calibri,sans-serif"> <m:omathpara><m:omath><m:rad> <m:radpr><m:deghide m:val="on"> <span style="font- family:"Cambria Math",serif"><span style="font- style:italic"><m:ctrlpr></m:ctrlpr> </m:deghide> </m:radpr><m:deg></m:deg><m:e> <span style="font- family:"Cambria Math",serif"><m:r>m1</m:r> </m:e></m:rad> </m:omath></m:omathpara> B. <span style="line-height:107%"><span style="font-family:Calibri,sans-serif"> <m:omathpara><m:omath><m:rad> <m:radpr><span style="font- family:"Cambria Math",serif"><span style="font- style:italic"><m:ctrlpr></m:ctrlpr> </m:radpr><m:deg> <span style="font- family:"Cambria Math",serif"><m:r>1</m:r> </m:deg><m:e><m:rad> <m:radpr><m:deghide m:val="on"> <span style="font- family:"Cambria Math",serif"><span style="font- style:italic"><m:ctrlpr></m:ctrlpr> </m:deghide> </m:radpr><m:deg></m:deg><m:e> <span style="font- family:"Cambria Math",serif"><m:r>m</m:r> </m:e></m:rad></m:e> </m:rad></m:omath></m:omathpara> C. m D. Independent of m
19	Which one of the folloiwng is/are correct.	A. Work is positive if 0< 90^o B. Work is 0 if <span style="font-size:11pt"><span style="line-height:107%"><span style="font-family:Calibri,sans-serif"> <m:omathpara><m:omath><span style="font-family:"Cambria Math",serif"> <m:r>θ 90^o </m:r></m:omath> </m:omathpara> C. Work is negative if <span style="line-height:107%"><span style="font-family:Calibri,sans-serif"> <m:omathpara><m:omath><span style="font-family:"Cambria Math",serif"> <m:r>θ 90^o </m:r></m:omath> </m:omathpara> D. All of these

20	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