Physics ICS Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	A body rest may have.	A. Speed B. Energy C. Velocity D. Momentum
2	1 kilowatt is equal =	A. 1000 J /s B. 106 watt C. 0.1 x 10³ Watt D. 6.25 x 10 ^{25 Watt}
3	If P = pressure, Deltat V = change in volume, P Delta V represents	A. Work B. Density C. Power D. Temperature
4	Which of the following is non conservative force.	A. Elastic spring force B. Electric force C. Gravitational force D. Tension in string
5	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
6	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

7	Kilowatt hour is unit is.	A. Power B. Work C. Force D. Momentum
8	Ratio of dimension of power and K.E. is.	A. 1 : 1 B. T : 1 C. 1 : T D. M : T
9	Power can be defined as the scalar product of.	A. force and displacemnt B. Force and velocity C. Force and time D. Force and mass
10	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
11	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
12	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.
13	A body of mass 0.2 kg initially moving with velocity 10 m/s comes to rest in 1 m. how much retarding force acts on it.	A. 10 N B. 20 N C. 40 N D. 200 N
14	Gravity performs zero work when body moves	A. Vertically B. Horizontally C. At 60% with vertical D. At 45% with horizontal
15	When the force is parallel to the direction of motionof the body the work done is.	A. Minimum B. Maximum C. Infinity D. Zero
16	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
17	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
18	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
19	The consumption of eergy by a 60 watt bulb in 2 secinds is	A. 130 J B. 120 J C. 160 j D. 0.02 J
20	Escape velocity depends upon.	A. Mass of the body B. Radius of the body C. Radius of the planet D. Radius of the Earth