Physics Fsc Part 1 Chapter 4 Online Test

Sr	Questions	Answers Choice
1	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
2	Escape velocity depends upon.	A. Mass of the body B. Radius of the body C. Radius of the planet D. Radius of the Earth
3	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
4	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
5	Which one of the folloiwng is/are correct.	A. Work is positive if 0< 90^o B. Work is 0 if <m:omathpara><m:omath> <m:r>θ 90^o </m:r></m:omath> </m:omathpara> C. Work is negative if <m:omathpara><m:omath> <m:r>θ 90^o </m:r></m:omath> </m:omathpara> D. All of these
6	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
7	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
8	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
9	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
10	When the force is parallel to the direction of motionof the body the work done is.	A. Minimum B. Maximum C. Infinity D. Zero
11	A body rest may have.	A. Speed B. Energy C. Velocity

		D. Momentum
12	The dimension of power	A. [ML2 T-3] B. [ML-1T-1] C. [ML2T2] D. [ML-2T-4]
13	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
14	Absolute P.E. of a body of mass"m" at a distance"r" from earth centre is.	A. [-GM/r] B. - Gr/ M C. -Gmr D. GmM /r
15	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.
16	If P = pressure, Deltat V = change in volume, P Delta V represents	A. Work B. Density C. Power D. Temperature
17	The height above the gound of a child on a swing varies form 0.5 m of his lowest point to 1.5 m at his highst point. The maximum speed of the child is approximatley.	A. 1.5 ms -1 B. 4.4 ms-1 C. 9.8 ms -1 D. Depends upon child's mass
18	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
19	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
20	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