

## PPSC Physics Full Book

Sr	Questions	Answers Choice
1	Original source of biomass is.	A. Stars B. Moon C. earth D. Sun
2	When a body is taken out of the earth's gravitational field, the P.E. with respect to earth is	A. Zero B. Minimum C. Maximum D. geothermal
3	Absolute P.E. of a body can be calculated	A. At centre of the earth B. Below centre of the earth C. From surface of the earth D. Below surface of the earth
4	While passing through the atmosphere total energy is reduced due to.	A. scattering B. Absorption C. Reflection D. All of these
5	Conservation of energy means that	A. Energy can be destroyed but not created B. Energy can be created but not destroyed C. energy cannot be created and destroyed D. Energy can neither be created nor destroyed
6	Which of the following type of force can do no work on the particle on which it operates.	A. Gravitational force B. Frictional force C. Centripetal force D. Elastic force
7	Which of the following is non renewable source of energy.	A. Wind B. Coal C. Hydroelectric D. Biomass
8	Which of the following is renewable source of energy.	A. Oil B. Natural gas C. Uranium D. Sunlight
9	A ball mass 0.25 kg is thrown to a height of 20 m The change in G.P.E is	A. 49 J B. 50 J C. -75 J D. 500 J
10	A 100 kg box is pulled 10 m across a frictionless horizontal surface by a 50 N force The change in the P.E. of the box a	A. 0 J B. 2 J C. 20 J D. 50 J
11	A girl weighing 400 N takes 4 s to run up the stairs How much P.E. does she gain if height of the stairs is 3 m.	A. 120 J B. 400 J C. 200 J D. 1200 J
12	A mason of 9.8 N weight is climbing on a 20 m high ladder The P.E. of mason at the middle of ladder is.	A. 98 J B. 196 J C. 960.4 J D. 980 J
13	Which of the following is an example of negative work.	A. a thrown up cricket ball B. Grass mower C. A car on road D. Bucket in the well
14	Solar cells are thin sand whishes of	A. good conductors B. Bad conductors C. Semi conductor D. Insulators

15	Which of the following is a non conservative force.	A. Gravitational force B. Air resistance C. Elastic force D. Tension in a string
16	Which of the following is a conservative force.	A. Electric force B. Frictional force C. Normal force D. propulsion force of a rocket
17	The field in which the work done is independent of the path followed.	A. Conservative field B. Electric field C. Magnetic field D. Non conservative field
18	The hydrogen filled balloon possesses	A. P.E B. K.E C. Heat energy D. Elastic energy
19	The source of geothermal energy is	A. The fusion in the sun B. the radioactive decay in the earth's interior C. the rotation of earth around the sun D. The rotation of earth around its own axis
20	The work required to lift a ball of mass 'm' from the surface of the earth to an infinite distance is	A. Absolute P.E. of the body B. P.E of the body C. K.E. of the body D. Chemical energy of the body
21	When an arrow is shot from a bow, it has K.E. which is given to it by	A. The elongated tail B. The stretched string of bow C. The throw of archer D. The sharp arrow's head
22	A bus and a car moving with the same K.E. are acted upon by the same retarding force then the	A. car will stop first B. Bus will stop first C. Both will stop simultaneously D. Both will never stop
23	A mason of 9.8 N weight is climbing on a 20 m high ladder The P.E. of mason at the middle of the ladder is.	A. 98 J B. 196 J C. 960.4 J D. 1920.8 J
24	When a person holding a ball is moving in the forward direction, the work done on the ball is	A. Positive B. Negative C. Zero D. Equal to gravity
25	The work done in moving a body from one place to another in a gravitational field is independent of the	A. applied force B. Force of gravity C. Path followed by the body D. Force of earth
26	A neutron is in head on elastic collision with a stationary nitrogen nucleus The mass of nitrogen nucleus is 14 times that of a neutron The neutron's velocity after the collision is.	A. Less in magnitude than its initial velocity B. Less in magnitude than the final velocity of the nitrogen atom C. Equal in magnitude to its initial velocity but in the opposite direction D. Greater in magnitude than its initial velocity
27	When a bowl of water is taken into the bottom of a well the work done is.	A. Positive B. Negative C. Zero D. Maximum
28	The value of 'g' is affected by earth's	A. Non spherical shape B. Daily motion C. Volume D. Density
29	When a body is lifted through a height 'h' the work done on the body appears in the form of.	A. K.E B. P.E C. Heat D. Density
30	An object falls freely under gravity the vertical equilibrium of the body inside is	A. Stable B. Unstable C. Neutral D. Unknown