

PPSC Physics Chapter 1 MECHANICS

Sr	Questions	Answers Choice
1	The relation between horse power and watt is.	A. 1 hp = 546 watts B. 1 hp = 746 watts C. 1 hp = 946 watts D. 1 hp = 1000 watts
2	A field in which the work done in moving a body along the closed path is zero.	A. electric field B. electromagnetic field C. Conservative field D. Non conservative field
3	Ethanol is a replacement of	A. Gasoline oil B. Kerosene oil C. Refinery oil D. vegetable oil
4	The process of getting energy by direct combusting method from the waste products is commonly known as.	A. Solid waste B. Depletion region C. Green house D. Fregmentation
5	Solar cells are thin wafers made from	A. Uranium B. Nickel C. Silicon D. Cadmium
6	The centre of the sun produces a large amount of energy what is the source of this energy.	A. Chemical reaction B. Nuclear fission C. Nuclear fusion D. Radioactive decay
7	Which example best illustrates the conservation of electrical energy to chemical energy.	A. Starting a car B. Generating hydroelectric power C. Changing an accumulator D. Melting a fuse
8	Original source of biomass is.	A. Stars B. Moon C. earth D. Sun
9	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
10	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
11	While passing through the atmosphere total energy is reduced due to.	A. scattering B. Absorption C. Reflection D. All of these
12	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
13	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
14	Which of the following is non renewable source of energy.	A. Wind B. Coal C. Hydroelectric D. Biomass

15	Which of the following is renewable source of energy.	A. Oil B. Natural gas C. Uranium D. Sunlight
16	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
17	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
18	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
19	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
20	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