

Class 11 Physics Chapter 6 Work Energy and Power MCQs

1. The rate of doing work is called

- (a) Force
- (a) Acceleration
- (b) Power
- (c) Displacement

2. Which is the type of collision in which both the linear momentum and the kinetic energy of the system remain conserved?

- (a) Inelastic Collision
- (b) Elastic Collision
- (c) Destructive collision
- (d) None of the options

3. Collision between marble balls is which type of collision?

- (a) Inelastic Collision
- (b) Elastic Collision
- (c) Destructive collision
- (d) None of the options

4. The energy possessed by the body by virtue of its motion is known as?

- (a) Chemical energy
- (b) Thermal energy
- (c) Potential energy
- (d) Kinetic energy

5. Find the potential energy stored in a ball of 5 kg placed on the ground of 3m.

- (a) 121.20 J
- (b) 147.15 J
- (c) 227.31 J
- (d) 182.21 J

6. What is the power utilized when work of 1000 J is done in 2 seconds?

- (a) 100 W
- (b) 200 W
- (c) 20 W
- (d) 500 W

7. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- (a) True
- (b) False

8. Which one has higher kinetic energy? Both light and heavy bodies have equal momentum.

- (a) Heavy body
- (b) Light body
- (c) Both
- (d) None of the option

9. An electric heater of rating 1000 W is used for 5 hrs per day for 20 days. What is the electrical energy utilized?

- (a) 100 kWh
- (b) 200 kWh
- (c) 120 kWh
- (d) 500 kWh

10. A ball moves in a frictionless inclined table without slipping. The work done by the table surface on the ball is

- (a) Negative
- (b) 0
- (c) Positive
- (d) None of the option

***** Answer Key *****

1(c)	2(b)	3(b)	4(d)	5(b)
6(d)	7(a)	8(b)	9(a)	10(b)

