

17. What is the potential energy in a body of mass 10 kg kept on the top of a pole 20 metres height?

- A) 1952 Joules
- B) 1972 Joules
- C) 1962 Joules
- D) 1942 Joules

18. What is the potential energy, if a body of mass 250 kg is at a height of 30 metre?

- A) 73.57 KJ
- B) 74.57 KJ
- C) 72.57 KJ
- D) 75.57 KJ

19. What is velocity of a body travels a distance of 168 metres in a line in 21 seconds?

- A) 10 m/sec
- B) 8 m/sec
- C) 12 m/sec
- D) 6 m/sec

20. What is called if a body does not change its position with respect to its surroundings?

- A) Velocity
- B) Body at motion
- C) Body at rest
- D) Speed

21. What is the acceleration of a car if the speed of the car has increased from 25 km per hour to 40 km per hour in one minute?

- A) 0.069 m/sec^2
- B) 0.69 m/sec^2

C) 0.059 m/sec^2

D) 0.59 m/sec^2

22. What is the formula for speed?

- A) Change in velocity/Time
- B) Distance in definite direction /Time
- C) Change in momentum/Time
- D) Distance covered/Time

23. What is the speed of a train of 80 metre long train passes a railway station platform of 120 metres length in 20 seconds?

- A) 34 km/hour
- B) 36 km/hour
- C) 32 km/hour
- D) 30 km/hour

24. What is the unit of speed?

- A) Metre/second
- B) Metre/hour
- C) Metre/second^2
- D) Metre/minute

25. What is the unit for velocity?

- A) Metre/second^2
- B) Metre/hour
- C) Metre/second
- D) Metre/minute