ITI Quiz - 10-Apr-2026 11:44 AM

Q. ID: ITISKILL3333IL

April 2026 | **GOVT ITI Tagaduru** | Answer Key

Duration: 30 Mins | **Total Marks: 25** | **Q.ID: ITISKILL3333IL**

1. What maximum height a stone will reach if it is thrown upwords with a velocity of 20m/sec?(g = 10m/sec²)

A) 10 m
B) 20 m
C) 40 m
D) 30 m

Answer: B) 20 m

2. 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/sec²
B) 0.69 m/sec²
C) 0.059 m/sec²
D) 0.59 m/sec²

Answer: A) 0.069 m/sec²

3. What is the work done in joules if a load of 15.5 kg is lifted through a height of 4.4 metres?

A) 649 Joules
B) 669 Joules
C) 639 Joules
D) 659 Joules

Answer: B) 669 Joules

4. How much work done in one hour, if a pump can raise 100 liters of water through a height of 200 meters in one minutes?

A) 12 x 104 kg meter
B) 12 x 107 kg meter
C) 12 x 106 kg meter
D) 12 x 105 kg meter

Answer: D) 12 x 105 kg meter

5. What is the unit of acceleration of an object?

A) Metre/second²
B) Metre/second
C) Metre/minutes²
D) Metre/minutes

Answer: A) Metre/second²

6. What is the formula for velocity?

A) Change of momentum/Time
B) Displacement/Time
C) Change in velocity/Time
D) Distance covered/Time

Answer: B) Displacement/Time

7. What is the work done, if a force of 250 newtons acted upon a body and the body has been moved through a distance of 15 metres?

A) 3730 Joules
B) 3740 Joules
C) 3720 Joules
D) 3750 Joules

Answer: D) 3750 Joules

8. What is called if a body posses only magnitude or size alone?

A) Velocity
B) Scalar quantity
C) Vector quantity
D) Speed

Answer: B) Scalar quantity

9. What is the equivalent unit for 1 horse power in metric system?

A) 77 kg.m/sec
B) 76 kg.m/sec
C) 75 kg.m/sec
D) 78 kg.m/sec

Answer: C) 75 kg.m/sec

10. What is called if a body posses both magnitude and direction of velocity?

A) Scalar quantity
B) Speed
C) Velocity
D) Vector quantity

Answer: D) Vector quantity

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

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

Answer: D) 73.57 KJ

12. 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) 32 km/hour
B) 36 km/hour
C) 30 km/hour
D) 34 km/hour

Answer: B) 36 km/hour

13. What is the capacity of a body to do work is called?

A) Force
B) Power
C) Energy
D) Acceleration

Answer: C) Energy

14. How many watts for 1 horse power in metric system?

A) 735.5 watts
B) 745.5 watts
C) 755.5 watts
D) 725.5 watts

Answer: A) 735.5 watts

15. What is called if a force of 1Newton acts on a body and moves it through a distance of 1 metre?

A) 1 Joule
B) 1 dyne
C) 10 dynes
D) 10 Joules

Answer: A) 1 Joule

16. What is the ratio of power output to power input?

A) Efficiency
B) Energy
C) Work
D) Acceleration

Answer: A) Efficiency

17. What is the acceleration of an aeroplane taking off from landing field has to run 700 metres if it leaves the ground in 10 seconds from the start?

A) 14 metre/sec²
B) 10 metre/sec²
C) 12 metre/sec²
D) 8 metre/sec²

Answer: C) 12 metre/sec²

18. What is the kinetic energy of a bullet of mass 5gm travels with a speed of 500 m/sec?

A) 630 Joules
B) 625 Joules
C) 635 Joules
D) 620 Joules

Answer: B) 625 Joules

19. What is the rate of change of displacement of a body?

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

Answer: B) Velocity

20. What is the formula for speed?

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

Answer: B) Distance covered/Time

21. How many watts for 1 horse power in British system?

A) 726 watts
B) 746 watts
C) 736 watts
D) 756 watts

Answer: B) 746 watts

22. What is the unit for velocity?

A) Metre/minute
B) Metre/hour
C) Metre/second²
D) Metre/second

Answer: D) Metre/second

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

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

Answer: B) 1962 Joules

24. What is the formula for kinetic energy?

A) (1/2) mv joule
B) (2/3) mv joule
C) (2/3) mv² joule
D) (1/2) mv² joule

Answer: D) (1/2) mv² joule

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

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

Answer: D) 8 m/sec