

April 2026

GOVT ITI PERDOOR

Question Paper

Duration: 20 Mins

Total Marks: 25

ID: ITISKILL9635IG

Student Name: _____	Roll No: _____
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1. What is the rate of change of displacement of a body?

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

2. What is the formula for velocity?

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

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

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

4. 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) 0.59 m/sec^2
B) 0.69 m/sec^2
C) 0.059 m/sec^2
D) 0.069 m/sec^2

5. How many newtons for 1 kilogram?

- A) 9.81 Newtons
B) 98.1 Newtons
C) 0.981 Newtons
D) 981 Newtons

6. What is the unit of speed?

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

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

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

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

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

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

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

10. What is called if a body changes its position with respect to its surroundings?

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

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

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

12. What maximum height a stone will reach if it is thrown upwords with a velocity of 20 m/sec ? ($g = 10 \text{ m/sec}^2$)

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

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

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

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

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

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

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

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

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

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

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

18. What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

- A) 0.40 m/sec^2
B) 0.20 m/sec^2
C) 0.30 m/sec^2
D) 0.10 m/sec^2

19. What is the formula for speed?

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

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

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

21. 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) 30 km/hour
B) 34 km/hour

C) 32 km/hour

D) 36 km/hour

22. What is the unit for velocity?

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

23. 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) 8
B) 14
C) 12
D) 10
metre/sec²
metre/sec²
metre/sec²
metre/sec²

24. What is the work done in unit time?

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

25. What is the formula for acceleration?

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