

Duration: 20 Mins

Total Marks: 20

ID: ITISKILL1884AO

Student Name: _____	Roll No: _____
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1. What is the unit for velocity?

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

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

2. What is the formula for velocity?

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

3. What is the unit of speed?

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

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

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

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

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

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

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

7. 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) 10 dynes
- C) 10 Joules
- D) 1 dyne

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

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

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

10. What is the work done in unit time?

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

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

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

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

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

13. How many newtons for 1 kilogram?

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

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

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

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

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

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

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

17. 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

18. What is velocity of a body travels a distance of 168

metres in a line in 21 seconds?

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

19. What is the formula for acceleration?

- A) Metre/second
- B) Metre/minute

C) Metre/hour

D)
Metre/second²

20. What is the formula for speed?

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