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Score: 5/20 (25.00%)

Code: 0200

1. What is the formula for speed?

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

2. What is the unit of speed?

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

3. What is the formula for velocity?

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

4. What is the unit for velocity?

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

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

- A) Speed (Incorrect) B) Velocity
C) Vector quantity D) **Scalar quantity**

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

- A) Speed B) Velocity
C) **Vector quantity** D) Scalar quantity (Incorrect)

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

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

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

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

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

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

10. 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 (Correct)**
C) 10 m/sec D) 12 m/sec

11. What is the formula for acceleration?

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

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

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

13. What is the work done in unit time?

- A) Energy B) **Power (Correct)**
C) Force D) Acceleration

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

- A) **Energy** B) Power
C) Acceleration (Incorrect) D) Force

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

- A) Work B) Energy (Incorrect)
C) **Efficiency** D) Acceleration

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

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

17. How many newtons for 1 kilogram?

- A) 981 Newtons B) 98.1 Newtons (Incorrect)
C) **9.81 Newtons** D) 0.981 Newtons

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

A) 725.5 watts

B) 735.5 watts (Correct)

C) 745.5 watts

D) 755.5 watts

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

A) 726 watts

B) 736 watts

C) 746 watts

D) 756 watts (Incorrect)

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

A) 75 kg.m/sec

B) 76 kg.m/sec

C) 77 kg.m/sec

D) 78 kg.m/sec (Incorrect)
