

Student: Nagarjun

Score: 12/20 (60.00%)

Code: 7980

1. What is the formula for speed?

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

- A) Body at rest  
C) Speed

- B) Body at motion (Correct)**  
D) Velocity

2. What is the unit of speed?

- A) **Metre/second** B) Metre/second<sup>2</sup>  
C) Metre/minute (Incorrect) D) Metre/hour

- A) 6 m/sec  
C) 10 m/sec (Incorrect) D) 12 m/sec

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

3. What is the formula for velocity?

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

11. What is the formula for acceleration?

- A) Metre/second  
C) Metre/minute

- B) Metre/second<sup>2</sup> (Correct)**  
D) Metre/hour

4. What is the unit for velocity?

- A) **Metre/second (Correct)** B) Metre/second<sup>2</sup>  
C) Metre/minute D) Metre/hour

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

- A) Metre/second  
C) Metre/minutes

- B) Metre/second<sup>2</sup> (Correct)**  
D) Metre/minutes<sup>2</sup>

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

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

13. What is the work done in unit time?

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

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)

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

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

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

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

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

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

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

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

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** B) 10 Joules (Incorrect)  
C) 1 dyne D) 10 dynes

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

17. How many newtons for 1 kilogram?

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

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

- A) 726 watts (Incorrect)            B) 736 watts

**C) 746 watts**

D) 756 watts

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

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