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Score: 18/20 (90.00%)

Code: 7765

1. What is the formula for speed?

**A) Distance covered/Time (Correct)**

B) Change in velocity/Time

C) Distance in definite direction /Time

D) Change in momentum/Time

2. What is the unit of speed?

**A) Metre/second (Correct)**B) Metre/second<sup>2</sup>

C) Metre/minute

D) Metre/hour

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

4. What is the unit for velocity?

**A) Metre/second (Correct)**B) Metre/second<sup>2</sup>

C) Metre/minute

D) Metre/hour

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

A) Speed

B) Velocity

C) Vector quantity

**D) Scalar quantity (Correct)**

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

B) Body at motion

C) Speed

**D) Velocity (Correct)**

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 (Correct)**

C) Speed

D) Velocity

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

A) Body at rest

**B) Body at motion (Correct)**

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/second<sup>2</sup> (Correct)**

C) Metre/minute

D) Metre/hour

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

A) Metre/second

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

C) Metre/minutes

D) Metre/minutes<sup>2</sup>

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 (Correct)**

B) Power

C) Acceleration

D) Force

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

A) Work

B) Energy

**C) Efficiency (Correct)**

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

**C) 9.81 Newtons (Correct)**

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

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

A) 726 watts

B) 736 watts

**C) 746 watts (Correct)**

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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