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Score: 19/20 (95.00%)

Code: 6011

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/second²

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/second²

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

B) Metre/second² (Correct)

C) Metre/minute

D) Metre/hour

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

A) Metre/second

B) Metre/second² (Correct)

C) Metre/minutes

D) Metre/minutes²

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

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

- A) 726 watts
- B) 736 watts

C) 746 watts (Correct) D) 756 watts

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