# Multiple Choice Questions

**2.1 Encircle the correct answer from the given choices**

**1. A body has translatory motion if it moves along a**

A. Straight line
B. Circle
C. Line without rotation
D. Curved path

**2. The motion of a body around its axis is called**

A. Circulatory motion
B. Rotatory Motion
C. Vibratory motion
D. Random Motion

**3. Which of the following is a vector quantity?**

A. Speed
B. Distance
C. Displacement
D. Power

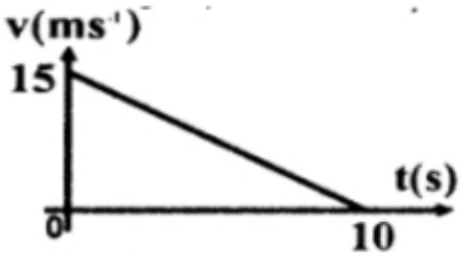
**4. If an object is moving with constant speed then its distance-time grapgh will be a straight line.**

A. Along time-axis
B. Along distance-axis
C. Parallel to time-axis
D. Inclined to time-axis

**5. A straight line parallel to time-axis on a distance-time graph tells that the object is**

A. Moving with constant speed
B. At rest
C. Moving with variable speed
D. In motion

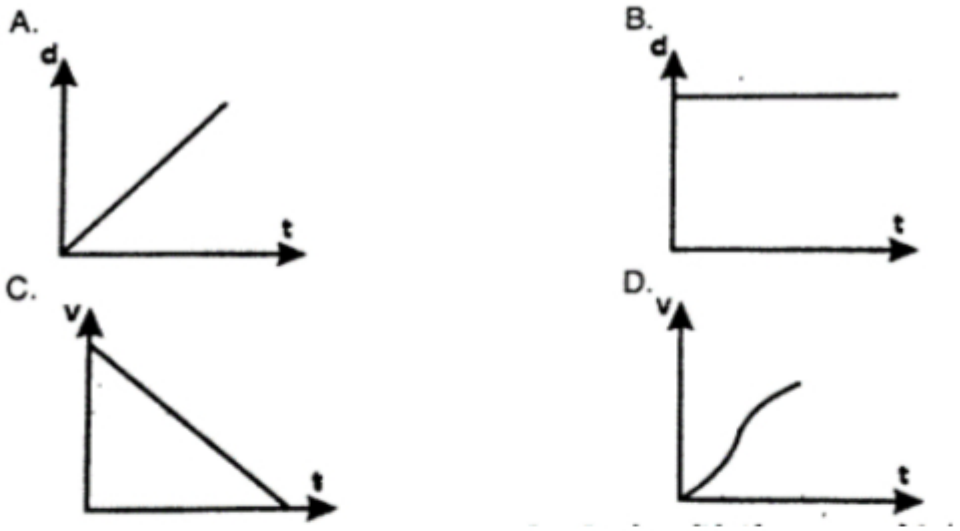
**6. The speed-time graph of a car is shown in the figure below, which of the following statements is true:**



**Speed-time graph of a car**

A. Car has an acceleration of 1.5 $ms^{-2}$
B. Car has constant speed of 7.5 $ms^{-1}$
C. Distance travelled by the car is 75m
D. Average speed of the car is 15 $ms^{-1}$

**7. Which of the following graph is representing uniform acceleration**




**8 By dividing displacement of a moving body with time,we obtain**

A. Speed
B. Acceleration
C. Velocity
D. Deceleration

**9 A ball is thrown vertically upward.Its velocity at the highest point is:**

A. $10^{ms^{-1}}_{ms^{-2}}$
B. Zero
C. 10
D. None of these

**10 A change in position is called:**

A. Speed
B. Velocity
C. Displacement
D. Distance

**11 A train is moving at a speed of $36^{kmh^{-1}}$. Its speed expressed in $^{ms^{-1}}$ will be equal to:**

A. $10^{ms^{-1}}_{ms^{-1}}$
B. $20^{ms^{-1}}_{ms^{-1}}$
C. 25
D. 30

**12 A car starts from rest.It acquires a speed of $25^{ms^{-1}}$ after 20s. The distance moved by the car during this time is:**

A. 31.25m
B. 250m
C. 500m
D. 5000m

## Correct Answers

| | | | |
|---|---|---|---|
| 1. A | 2. B | 3. C | 4. D |
| 5. B | 6. C | 7. A | 8. C |
| 9. B | 10. D | 11. A | 12. B |

ClassNotes