

MOTION

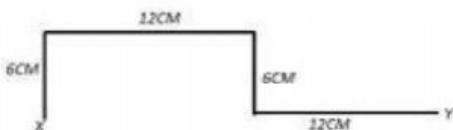
6. The distance and displacement between P&Q in the below figure are respectively. ()

A) 5cm, 10cm

B) 20cm, 10cm

C) 10cm, 20cm

D) 10cm, 5cm



7. The ratio of distance and displacement between X & Y in the following figure is ()

A) 2/3

B) 1/2

C) 3/2

D) 1/3

8. Choose the incorrect statement based on the below figure ()



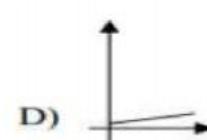
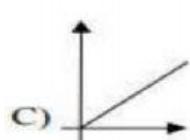
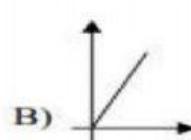
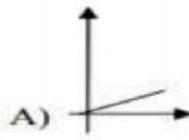
A) The distance from P to Q and Q to P are equal

B) The displacement from P to Q and Q to P are equal

C) The displacement from P to P is zero

D) The sum of displacements from P to Q and Q to P is zero

5. Which of the following position-time graph indicates more (or) greater speed.



6. Which of the following is a vector quantity

A) Distance B) Time C) Speed D) Velocity

7. A tangent drawn at a point to a curved path represent

A) Magnitude of speed B) Magnitude of velocity

C) Direction of velocity D) Distance travelled

3. Which of the following can be known by Speedometer of a vehicle ()

A) Average speed B) Average velocity

C) Instantaneous speed D) distance

4. The average speed of student between 5sec and 25sec from the above

graph is

()

A) 0.35m/s

B) 0.5m/s

C) 0.25m/s

D) 5m/s

4 If the average and instantaneous velocity are equal in magnitude then the motion is

A) Uniform B) Non-Uniform

C) Either Uniform or Non-uniform D) Circular motion

5 Choose the wrong statement and rewrite it correctly

A) When a body is thrown vertically up then the motion is Uniform.

B) The nature of position-time graph under uniform motion is a straight line