

VERY SHORT ANSWER QUESTIONS

1. Name the quantity measured by the area occupied below the velocity-time graph.
2. Draw velocity-time graph for an object moving with uniform velocity.
3. What can you say about the motion of a body if its displacement-time graph is a straight line parallel to the time axis?
4. Under what condition is the magnitude of distance and displacement equal?
5. Define velocity.
6. “The direction in which an object moves is given by the direction of velocity of the object and not by the direction of acceleration”. Give an example to justify this statement.
7. A particle is moving in a circle of diameter 5m. What is its displacement when it completes $1\frac{1}{2}$ revolutions?
8. An object starts with initial velocity u and attains a final velocity of v . the velocity of the object is changing at a uniform rate. Write the formula for calculating the average velocity V_{av} .
9. What is the nature of the distance-time graph for accelerated motion?
10. If the acceleration of the particle is constant in magnitude but not in direction, what type of path does the particle follow?
11. Why is the motion of an athlete moving along the circular path an accelerated motion?
12. Write an example of uniform motion.
13. Define uniform motion.
14. State the meaning of uniform circular motion.