

SUBJECT:- PHYSICS

CLASS:- IXTH

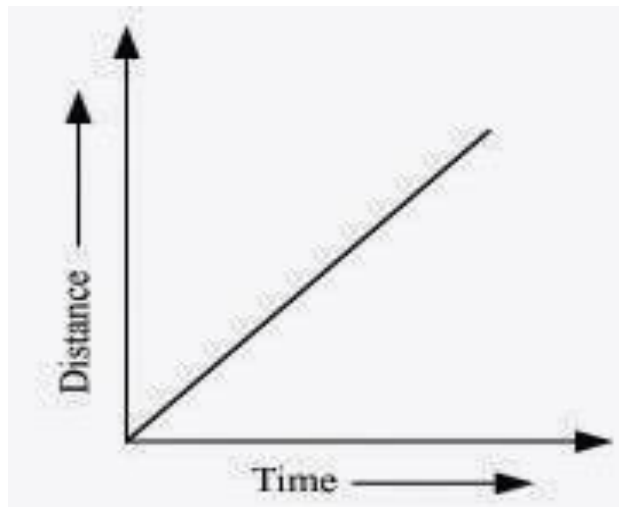
DATE:- 04/05/XXI

SUBJECT TEACHER:- MR. NEEL NIRANJAN

CHAPTER 1. (MOTION)(BASED ON NCERT PATTERN)

1. What is the nature of the distance - 'time graphs for uniform and non-uniform motion of an object?

Answer: When the motion is uniform, the distance time graph is a straight line with a slope.



When the motion is non-uniform, the distance time graph is not a straight line. It can be any kind of curve.

2. What can you say about the motion of an object whose distance - time graph is a straight line parallel to the time axis?

Answer: If distance time graph is a straight line parallel to the time axis, the body is said to be at rest.

3. What can you say about the motion of an object if its speed - 'time graph is a straight line parallel to the time axis?

Answer: If speed time graph is a straight line parallel to the time axis, the object is said to be moving uniformly.

4.4. What is the quantity which is measured by the area occupied below the velocity -time graph?

Answer: The area under the velocity-time graph gives the distance covered by an object.

5. What does the path of an object look like when it is in uniform motion?

Answer: An object with uniform motion has a straight line path.