SUBJECT:- PHYSICS   CLASS:- IXTH   DATE:22/07/XX

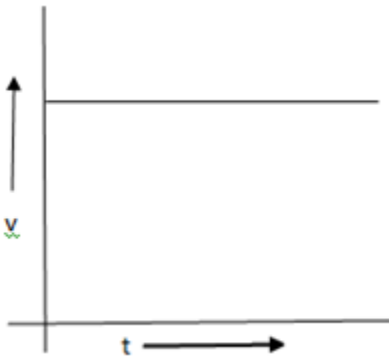**SUBJECT TEACHER:- MR. NEEL NIRANJAN**

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

1. If the displacement of an object is proportional to square of time, then the object moves with:

(a) Uniform velocity

(b) Uniform acceleration

(c) Increasing acceleration

(d) Decreasing acceleration

Answer: (b) Uniform acceleration

2. From the given v-t graph, it can be inferred that the object is

(a) At rest

(b) In uniform motion

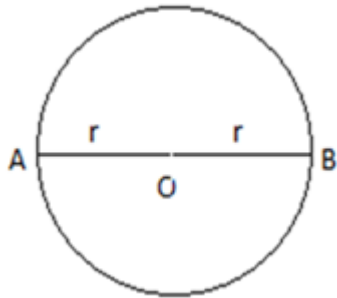(c) Moving with uniform acceleration

(d) In non-uniform motion

Answer: (b) In uniform motion

3. Suppose a boy is enjoying a ride on a marry-go-round which is moving with a constant speed of 10 m/s. It implies that the boy is:

(a) At rest

(b) Moving with no acceleration

(c) In accelerated motion

(d) Moving with uniform velocity

Answer: (c) In accelerated motion

4. A particle is moving in a circular path of radius r.

The displacement after half a circle would be:

(a) Zero

(b) πr

(c) 2r

(d) 2πr

Answer: (c) 2r