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SUBJECT:- PHYSICS

CLASS:- IXTH

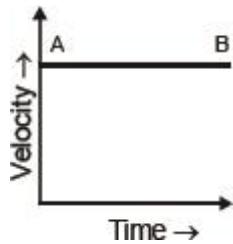
DATE:-18/04/XXI

SUBJECT TEACHER:- MR. NEEL NIRANJAN

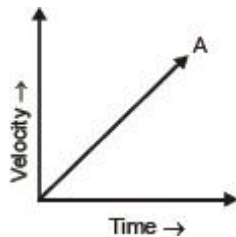
CHAPTER 1. (MOTION)(BASED ON NCERT PATTERN)

Velocity Time Graphs

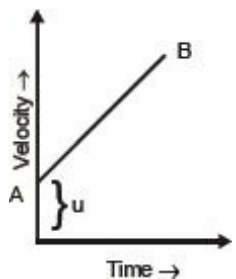
- When a body moving with a uniform velocity.
- The slope of AB indicates zero acceleration



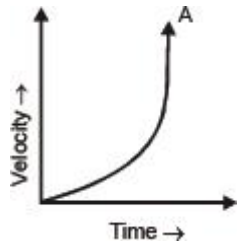
- When a body starts from rest and moves with uniform acceleration.
- Greater is the slope of v-t graph, greater will be the acceleration



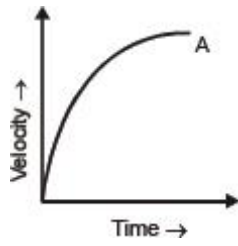
- When a body is moving with uniform acceleration and its initial velocity is not zero.



- When a body is moving with increasing acceleration.
- Slope increases with time.



- When a body is moving with decreasing acceleration.
- Slope decreases with time.



- When a body is moving with a uniform retardation and its initial velocity is not zero.
- As $\theta > 90^\circ$, graph has a negative slope.

