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SUBJECT:- PHYSICS

CLASS:- IXTH

DATE:26/07/XX

SUBJECT TEACHER:- MR. NEEL NIRANJAN

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



Velocity-time graph for a car moving with uniform acceleration

From the above given Velocity-Time graph, answer the following questions (Q1 to Q5): -

Question 1. From the above Velocity-Time graph, the body is moving with?

- (a) Variable Acceleration
- (b) Zero Acceleration
- (c) Constant Acceleration
- (d) Zero velocity

Question 12. Distance covered by the body during the interval from 10sec to 20 sec is?

(a) 180

(b) 200

(c) 240

(d) 270

Question 13. At the point A the body is at a distance of?

(a) 90m

(b) 180m

(c) 270m

(d) 350m

Question 14. The velocity of the body at the point 'B' is?

(a) 20m/s (b) 24m/s

- (c) 32m/s
- (d) 36m/s

Question 15. In the total journey, starting from the rest, the body has traveled up to a distance of?

- (a) 270m
- (b) 360m
- (c) 450m
- (d) 540m

Question 16. What does the slope of distance - time graph give?

(a) Acceleration

- (b) Uniform speed
- (c) Speed
- (d) both[b] and [c] depending upon the time of graph