



SACRED HEART SCHOOL

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ASSIGNMENT (2020– 2021)

Class -I X

Subject –PHYSICS

Assignment questions based upon online class

7. A ball is gently dropped from a height of 20 m. If its velocity increases uniformly at the rate of 10 m s^{-2} , with what velocity will it strike the ground? After what time will it strike the ground?
8. The speed-time graph for a car is shown is Fig. 8.12.

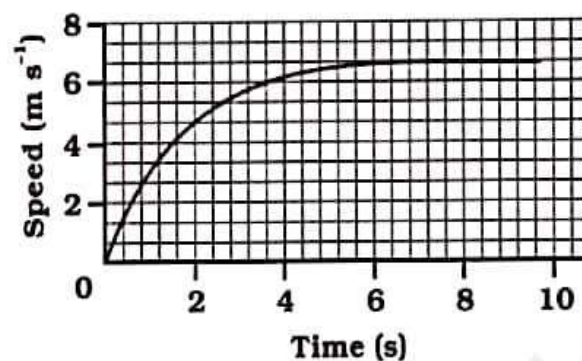


Fig. 8.12

- (a) Find how far does the car travel in the first 4 seconds. Shade the area on the graph that represents the distance travelled by the car during the period.
- (b) Which part of the graph represents uniform motion of the car?

