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**SUBJECT:- PHYSICS**

**CLASS:- IXTH**

**DATE:25/07/XX**

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

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

**12.** A car is travelling at a speed of 90 km/h. Brakes are applied so as to produce a uniform acceleration of  $-0.5 \text{ m/s}^2$ . Find how far the car will go before it is brought to rest?

- (a) 8100 m (b) 900 m  
(c) 625 m (d) 620 m

**Answer:(c) 625 m**

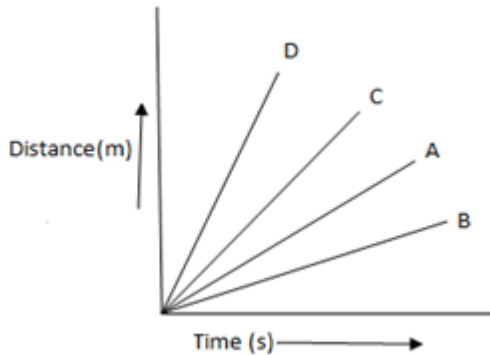
**13.** In a free fall the velocity of a stone is increasing equally ion equal intervals of time under the effect of gravitational force of the earth. Then what can you say about the motion of this stone?

Whether the stone is having:

- (a) Uniform acceleration (b) Non-uniform acceleration  
(c) Retardation (d) Constant speed

**Answer:(a) Uniform acceleration**

**15.** Four cars A, B, C and D are moving on a levelled, straight road. Their distance time graphs are shown in the figure below. Which of the following is the correct statement regarding the motion of these cars?



- (a) Car A is faster than car D (b) Car B is the slowest  
(c) Car D is faster than car C (d) Car C is the slowest

**Answer:(b) Car B is the slowest**