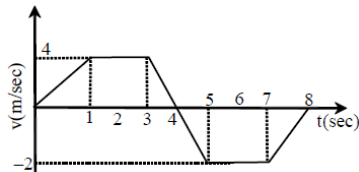


# ARJUNA (NEET)

## Kinematics

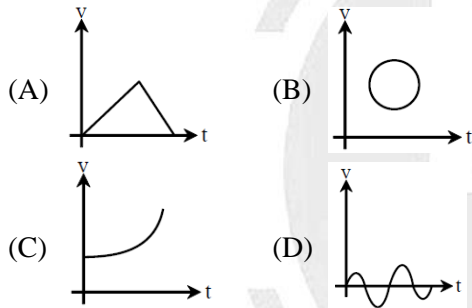
DPP-08

1. The  $v - t$  graph of a linear motion is shown in adjoining figure. The distance from origin after 8 seconds is –

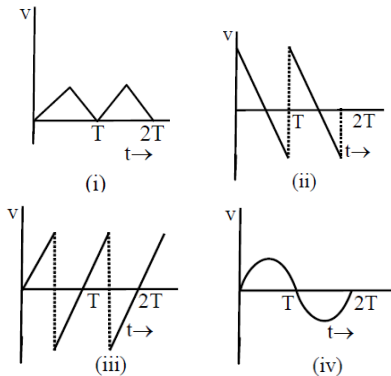


- (A) 18 meters (B) 16 meters  
(C) 8 meters (D) 6 meters

2. Which one of the following curves do not represent motion in one dimension-

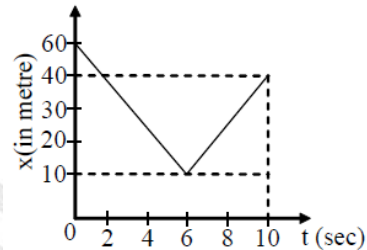


3. A ball is dropped from certain height on a glass floor so that it rebounds elastically to the same height. If the process continues, the velocity -time graph for such a motion would be -



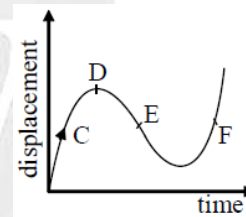
- (A) (i) (B) (ii)  
(C) (iii) (D) (iv)

4. The figure shows the displacement time graph of a particle moving on a straight line path. What is the average velocity of the particle over 10 seconds-



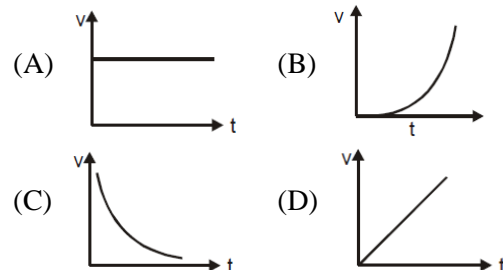
- (A) 2 m/s (B) 4 m/s  
(C) 6 m/s (D) 8 m/s

5. The displacement-time graph of a moving particle is shown. The instantaneous velocity of the particle is negative at the point-

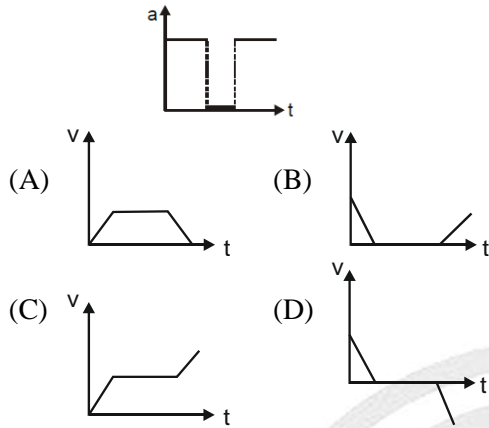


- (A) D (B) F  
(C) C (D) E

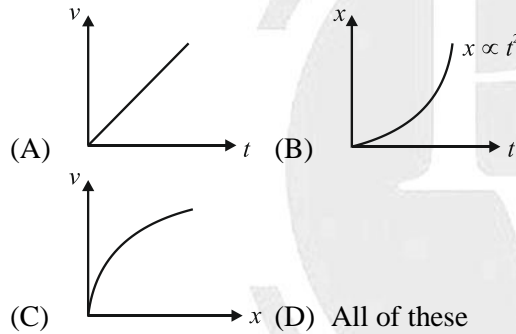
6. Which of the following velocity-time graphs represent uniform motion ?



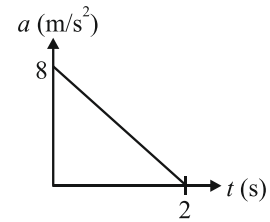
7. Acceleration-time graph of a body is shown. The corresponding velocity-time graph is:



8. In which graph/acceleration is uniform (constant)

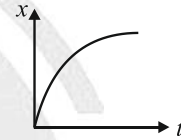


9. Object is moving in straight line if initial velocity is 10 m/s then find velocity after 2 sec



- (A) 10 m/s (B) 18 m/s  
(C)  $-2 \text{ m/s}$  (D) 28 m/s

10. Acceleration for given position-time graph is



- (A)  $-ve$  (B)  $+ve$   
(C) zero (D) Increasing



### ANSWERS

1. (A)
2. (B)
3. (C)
4. (A)
5. (D)
6. (A)
7. (C)
8. (D)
9. (B)
10. (A)



**\*Note\*** - If you have any query/issue

Mail us at [support@physicswallah.org](mailto:support@physicswallah.org)

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