

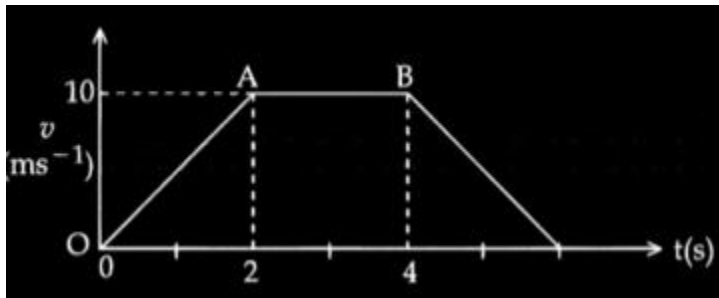
Most Repeated Questions in JEE Main Physics from Graphical Analysis

Q: Statement I: Area under velocity- time graph gives the distance travelled by the body in a given time.

Statement II: Area under acceleration- time graph is equal to the change in velocity- in the given time.

- (a) Both Statement I and Statement II are False.
- (b) Both Statement I and Statement II are true.
- (c) Statement I is incorrect but Statement II is true.
- (d) Statement I is correct but Statement II is false.

Q: The velocity time graph of an object moving along a straight line is shown in the figure. What is the distance covered by the object between $t = 0$ to $t = 4\text{s}$?



Q: The motion of an airplane is represented by velocitytime graph as shown below. The distance covered by airplane in the first 30.5 seconds is _____ km.

