

10 A constant mass undergoes uniform acceleration.

Which of the following is a correct statement about the resultant force acting on the mass?

- A** It increases uniformly with respect to time.
- B** It is constant but not zero.
- C** It is proportional to the displacement from a fixed point.
- D** It is proportional to the velocity.

11 A particle of mass m strikes a vertical rigid wall perpendicularly from the left with velocity v .