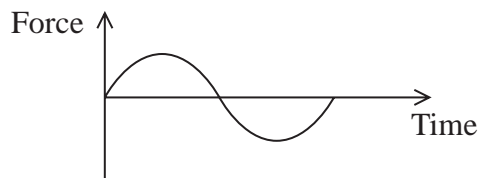
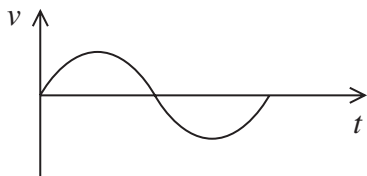


9

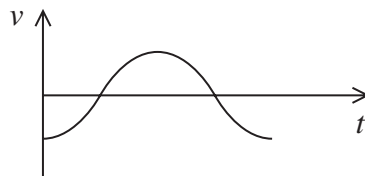
A mass is suspended from a spring and allowed to come to equilibrium.
 The mass is displaced vertically and moves with simple harmonic motion.
 The graph shows how the resultant force on the mass varies with time.



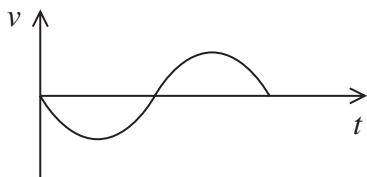
Which of the following graphs shows how the velocity v of the mass varies with time t over the same time interval?



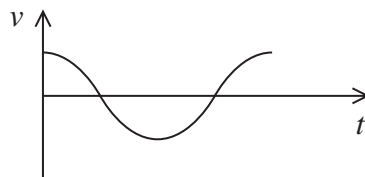
A



B



C



D



A



B



C



D

(Total for Question 9 = 1 mark)