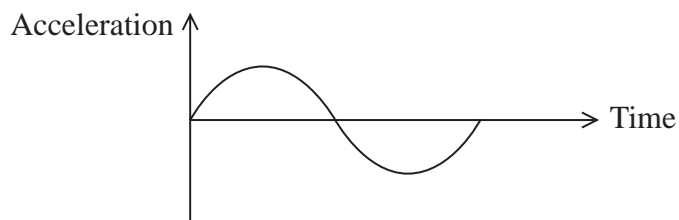


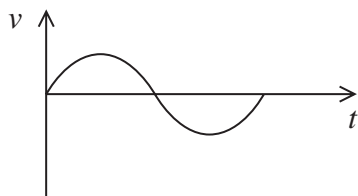
9

A mass is suspended from a spring and displaced vertically. The mass performs simple harmonic motion.

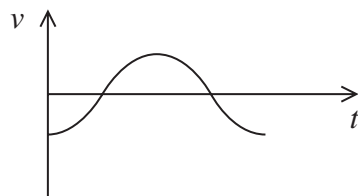
The graph shows how the acceleration of the mass varies with time over one oscillation.



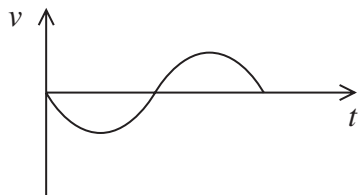
Which of the following graphs shows how the velocity v of the mass varies with time t over the same time interval?



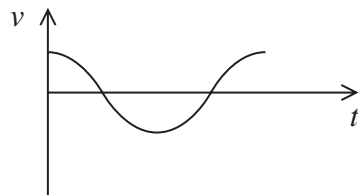
A



B



C



D

☐ A

☐ B

☐ C

☐ D

(Total for Question 9 = 1 mark)