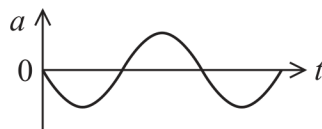
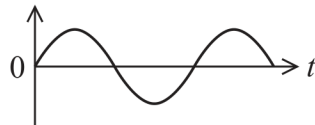


Questions 9 and 10 refer to the following information.

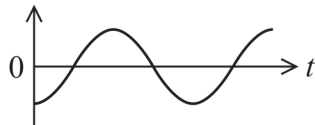
The graph shows how the acceleration a varies with time t for an object performing simple harmonic motion.



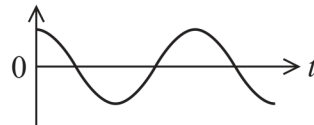
Four graphs of a quantity plotted against t are shown below. The scale on the x -axis is the same for each graph.



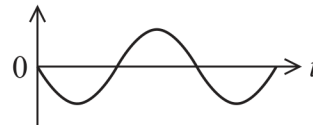
A



B



C



D

9 Which graph shows how the displacement of the object varies with t ?

- ☐ A
- ☐ B
- ☐ C
- ☐ D

(Total for Question 9 = 1 mark)