

- 9 An object oscillates with simple harmonic motion. The period of oscillation is 0.65 s and the amplitude is 0.12 m.

Which of the following expressions gives the maximum velocity of the object?

- ☐ A $2\pi \times 0.65 \times 0.12$
- ☐ B $\frac{2\pi}{0.65} \times 0.12$
- ☐ C $(2\pi \times 0.65)^2 \times 0.12$
- ☐ D $\left(\frac{2\pi}{0.65}\right)^2 \times 0.12$

(Total for Question 9 = 1 mark)