

- 10 A simple pendulum is displaced through a small angle then released. The frequency of oscillation is determined.  
The length of the pendulum is then doubled.

By what factor will the frequency of oscillation be multiplied?

- ☐ A  $\frac{1}{\sqrt{2}}$
- ☐ B  $\frac{1}{2}$
- ☐ C  $\sqrt{2}$
- ☐ D 2

(Total for Question 10 = 1 mark)