

- 3 The gravitational field strength at the surface of the Moon is one sixth of that at the surface of the Earth. A simple pendulum has a period  $T$  at the surface of the Earth.

What would be the time period of the same pendulum at the surface of the Moon?

- ☐ A  $\frac{T}{6}$
- ☐ B  $\frac{T}{\sqrt{6}}$
- ☐ C  $T$
- ☐ D  $T\sqrt{6}$

(Total for Question 3 = 1 mark)