

SECTION B

Answer ALL questions in the spaces provided.

- 11** The Earth is 9.3 times more massive than Mars. The gravitational field strength at the surface of the Earth is 2.6 times greater than at the surface of Mars.

Calculate the mean radius of Mars.

$$\text{mean radius of Earth} = 6.37 \times 10^6 \text{ m}$$

(2)

Mean radius of Mars =

(Total for Question 11 = 2 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA