

SECTION B

Answer ALL questions in the spaces provided.

11 (a) State what is meant by

(i) gravitational field strength

(1)

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(ii) centre of gravity.

(1)

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(b) The gravitational field strength on Earth is 9.81 N kg^{-1} .

Show that this results in an acceleration of free fall of 9.81 ms^{-2} .

(2)

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(Total for Question 11 = 4 marks)

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