

## **A level Geography**

**H481/01** Physical systems

### **Question Set 3**

Dryland Landscapes

- 1 (a) (i) Explain the influence of pluvial conditions and geomorphic processes in the formation of inselbergs. [8]

- (b) Study **Table 1**, which shows monthly average wind speed for a dryland landscape in Algeria.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wind speed (knots)	3	3	6	1	6	7	5	9	9	8	2	1

**Table 1** Monthly average wind speed for a dryland landscape in Algeria

- (i) Calculate the mean monthly wind speed for the data shown in **Table 1**. You must show your working. [2]
- (ii) Calculate the standard deviation for the data shown in **Table 1**. You must show your working and give your answer to 2 decimal places. [4]
- (c) Study **Fig. 1**, a dryland landscape in Algeria. With reference to **Fig. 1**, explain which geomorphic processes are the most influential in forming landform **A**. [3]
- (d)\* 'Human activity influences dryland landscape systems more than physical factors'. To what extent do you agree with this statement? [16]

**Total Marks for Question Set 3: 33**

## Resource Materials

- 1 (b) (ii) Standard deviation formula

$$\sigma = \sqrt{\frac{\sum (x - \bar{x})^2}{n}}$$

- 1 (c) Fig. 1 - Dryland landscape in Algeria



A



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