

A level Geography

H481/01 Physical systems

Question Set 2

Glaciated landscapes

- 1 (a) Explain the influence of climate changes and geomorphic processes in the formation of eskers. [8]
- (b) Study **Table 1**, which shows monthly precipitation for a glaciated landscape in Norway.
- | Month | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Precipitation (cm) | 4 | 4 | 5 | 4 | 4 | 7 | 8 | 10 | 9 | 9 | 6 | 2 |
- Table 1 Monthly precipitation for a glaciated landscape in Norway**
- (i) Calculate the mean monthly precipitation 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 glaciated landscape in Norway. With reference to **Fig. 1**, explain which geomorphic processes are the most influential in forming landform **A**. [3]
- (d)* 'Human activity influences glaciated landscape systems more than physical factors'. To what extent do you agree with this statement? [16]

Total Marks for Question Set 2: 33

Resource Materials

- 1 (b) (ii) Standard deviation formula

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

- 1 (c) Fig. 1 - Glaciated landscape in Norway



A



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