

**GCE A LEVEL**

A110U10-1



S25-A110U10-1

**TUESDAY, 13 MAY 2025 – MORNING****GEOGRAPHY – A level component 1**
Changing Landscapes and Changing Places

1 hour 45 minutes

A110U101
01**ADDITIONAL MATERIALS**

A WJEC pink 16-page answer booklet.

A calculator.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Write your answers in the separate answer booklet provided.

Write your name, centre number and candidate number in the spaces at the top of the answer booklet.

Answer in Section A, **either** questions 1, 2 and, **either** 3 **or** 4 (Coastal Landscapes) **or** questions 5, 6 and, **either** 7 **or** 8 (Glaciated Landscapes).Answer questions 9, 10 and, **either** 11 **or** 12 in Section B (Changing Places).**INFORMATION FOR CANDIDATES**

The number of marks is given in brackets [] at the end of each question or part-question; you are advised to divide your time accordingly.

This paper requires that you make as full use as possible of appropriate examples and reference to data to support your answers. Sketch maps and diagrams should be included where relevant.

Section A: Changing Landscapes

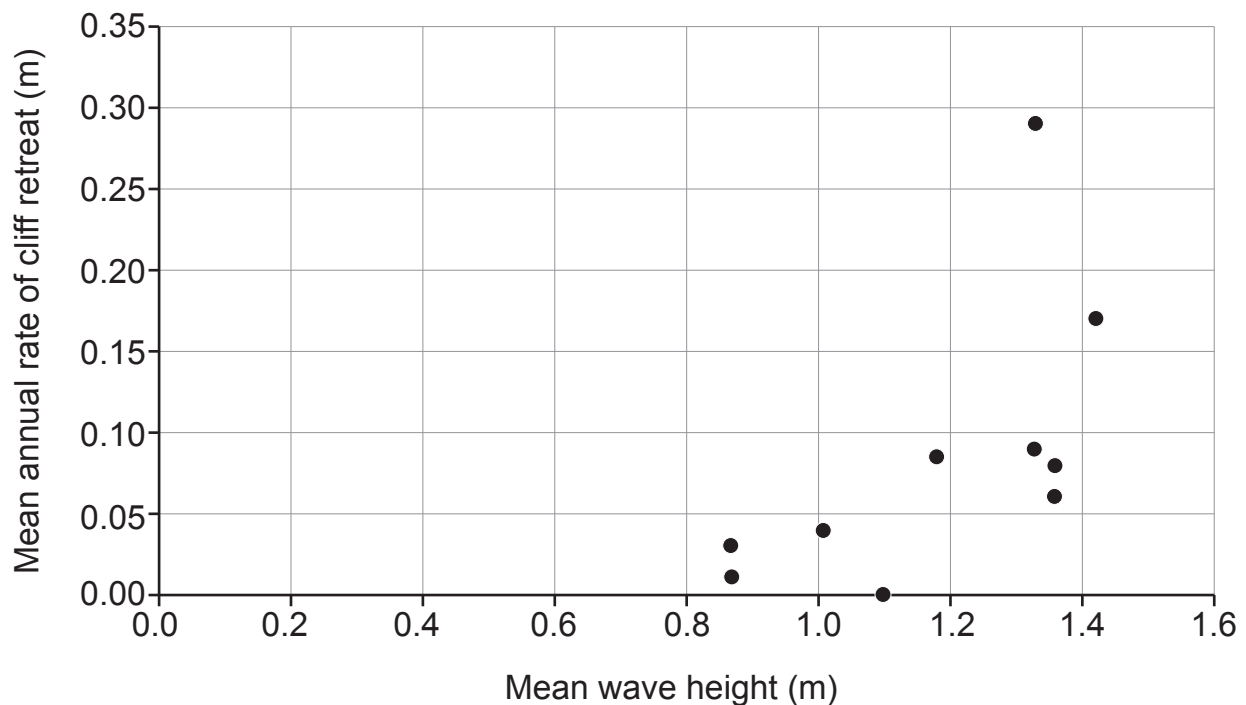
Answer **either** questions 1, 2 and, **either 3 or 4** or questions 5, 6 and, **either 7 or 8** from your chosen landscape.

Make the fullest possible use of examples in support of your answers.

Coastal Landscapes

Answer questions 1, 2 and, **either 3 or 4** if this is your chosen landscape.

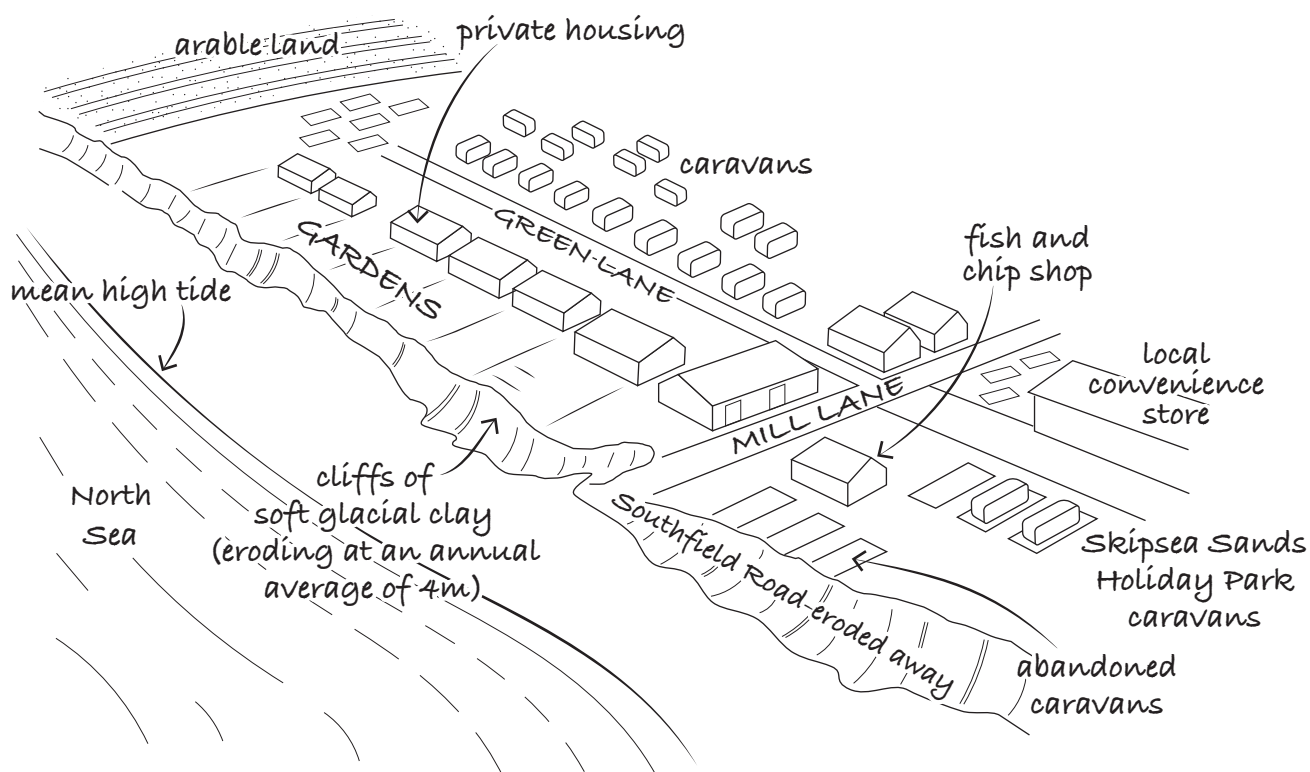
Figure 1: The relationship between mean wave height and rate of cliff retreat at ten study sites in Cornwall



Adapted from: <https://pearl.plymouth.ac.uk/bitstream/handle/10026.1/3526/2015EARLIE775648PHD.pdf?sequence=1&isAllowed=y>

1. (a) (i) Use **Figure 1** to estimate the range for the rates of cliff retreat. [1]
 - (ii) Use **Figure 1** to describe the relationship between the mean wave height and rate of cliff retreat. [2]
 - (iii) Identify **one** statistical test that could be used to analyse the data in **Figure 1**. Justify your choice. [2]
- (b) Suggest how mineral composition and jointing may influence rates of cliff retreat. [8]

Figure 2: Field sketch of part of the Holderness coast, Yorkshire



2. (a) Use **Figure 2** to analyse the potential losses associated with coastal erosion. [5]
- (b) Outline the characteristics of constructive and destructive waves. [8]

Either,

3. Assess the importance of different timescales in the formation of **two** coastal landforms. [15]

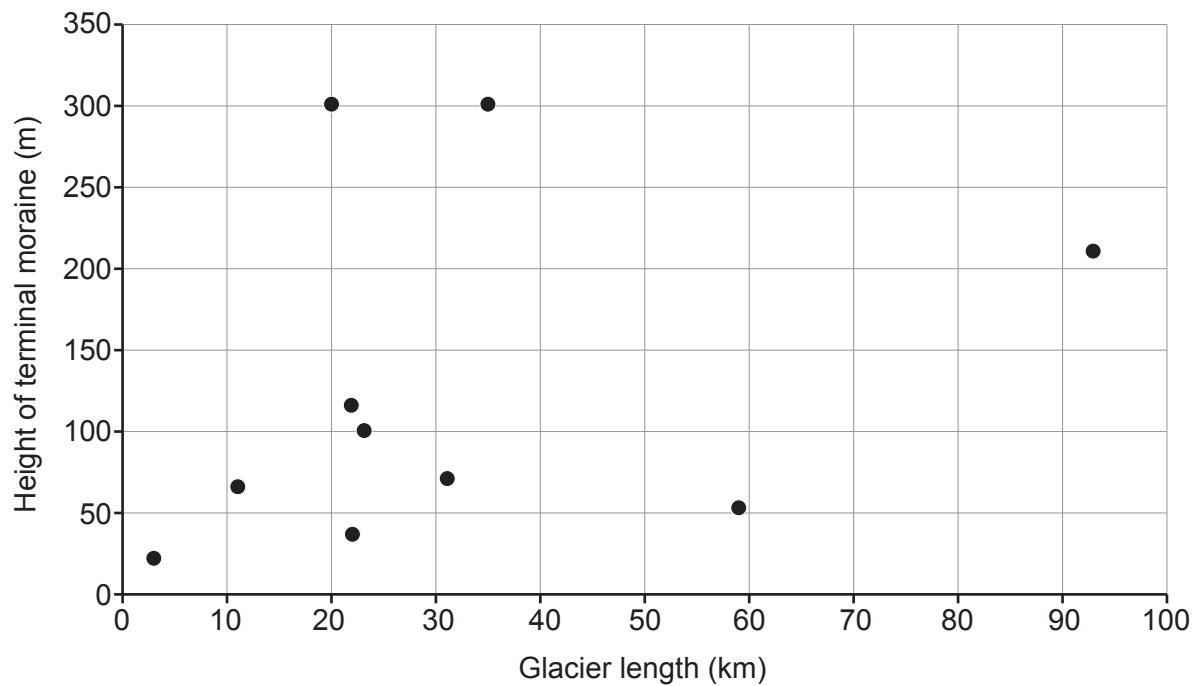
Or,

4. Examine why distinctive landforms develop in low energy coastal environments. [15]

Glaciated Landscapes

Answer questions 5, 6 and, **either 7 or 8** if this is your chosen landscape.

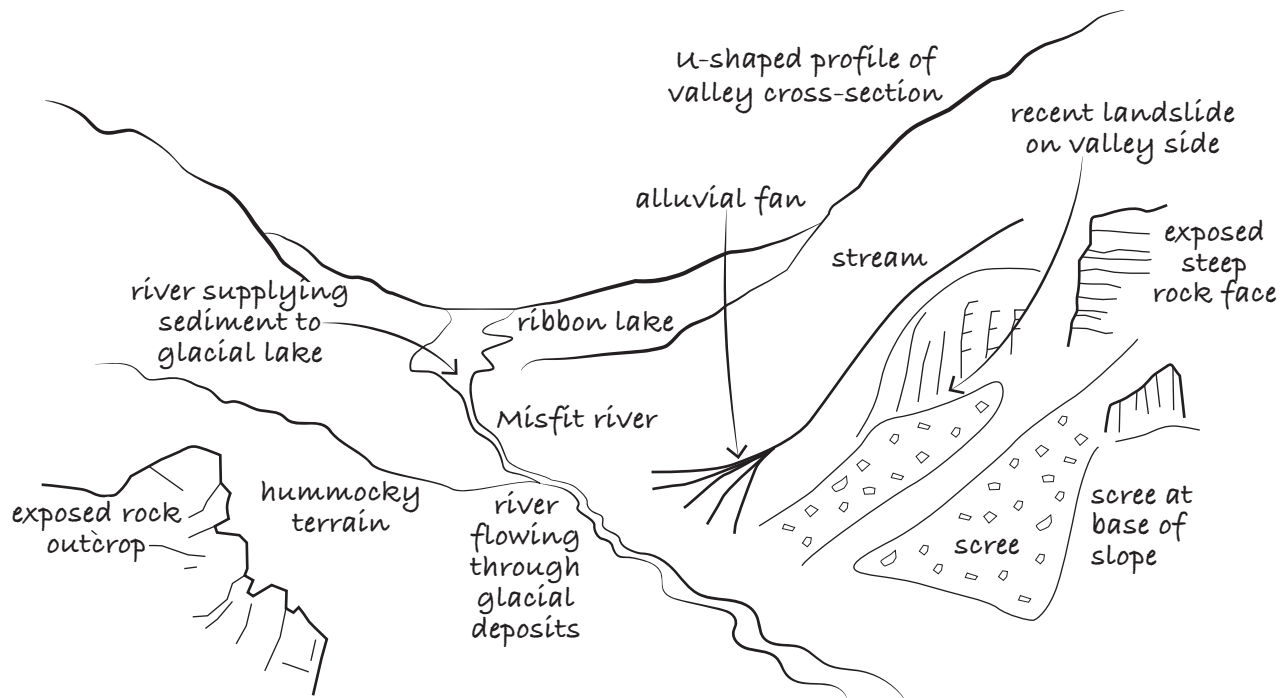
Figure 3: The relationship between glacier length and terminal moraine height at ten study sites in Tibet



Source: https://www.academia.edu/23774881/Relationships_between_the_heights_of_moraines_and_lengths_of_former_glaciers_in_Tibet_and_surrounding_mountains

5. (a) (i) Use **Figure 3** to estimate the range in glacier length. [1]
- (ii) Use **Figure 3** to describe the relationship between glacier length and terminal moraine height. [2]
- (iii) Identify **one** statistical test that could be used to analyse the data in **Figure 3**. Justify your choice. [2]
- (b) Suggest how glacial advance and glacial retreat lead to the formation of different types of moraine. [8]

Figure 4: Field sketch of the Llanberis Pass, Gwynedd



6. (a) Use **Figure 4** to analyse how post-glacial processes are changing this glaciated valley over time. [5]
- (b) Outline the characteristics of valley glaciers and ice sheets. [8]

Either,

7. Assess the importance of erosional processes in the formation of **two** glacial landforms. [15]

Or,

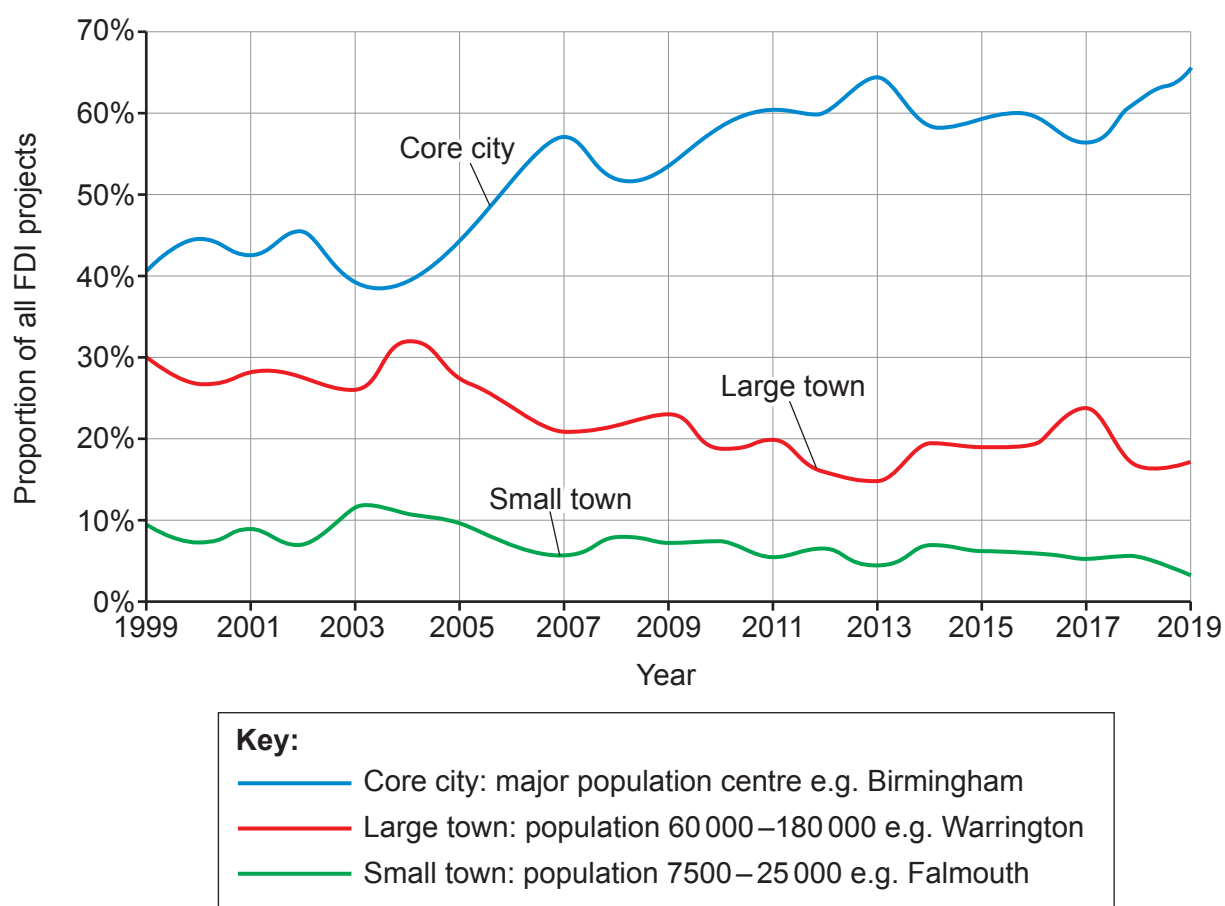
8. Examine why distinctive landforms develop in lowland glacial landscapes. [15]

Section B: Changing Places

Answer questions 9, 10 and **either** 11 **or** 12.

Make the fullest possible use of examples in support of your answers.

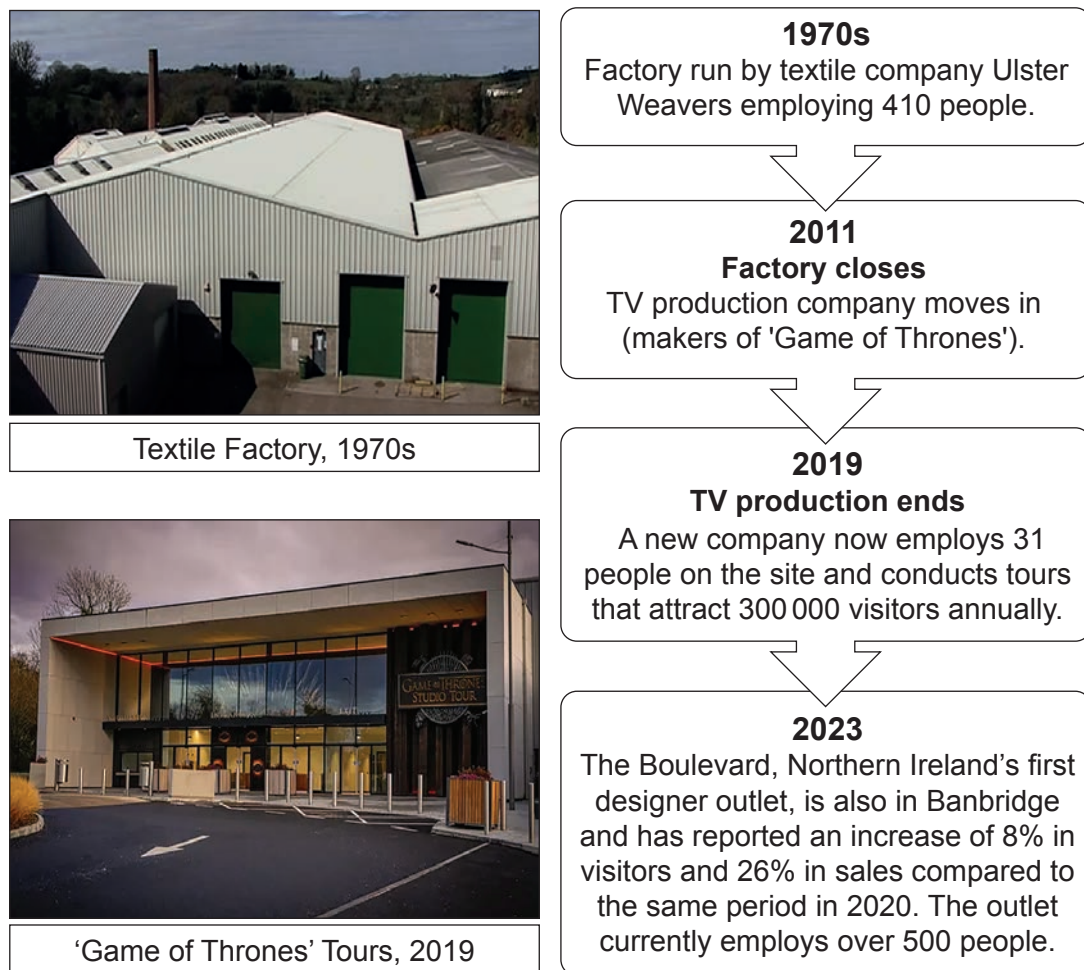
Figure 5: Proportion of Foreign Direct Investment (FDI) projects in UK towns and cities, 1999–2019



Source: https://assets.ey.com/content/dam/ey-sites/ey-com/en_uk/topics/attractiveness/ey_ukas_cft_regional_report_may2020.pdf

9. (a) Use **Figure 5** to analyse the trends shown. [5]
- (b) Suggest how investment by foreign companies may help deindustrialised places. [8]

Figure 6: Changing place characteristics in Banbridge, Northern Ireland



10. (a) Use **Figure 6** to describe how changing place characteristics have affected the lives of people in Banbridge. [5]
- (b) Outline why employment in primary industry has declined in many rural areas. [8]

Either,

- 11.** Examine the impacts of rebranding on the social and economic characteristics of urban places. [15]

Or,

- 12.** Assess the importance of different locational factors that encourage the growth of quaternary industry clusters. [15]

END OF PAPER

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