



GCE A LEVEL

A110U10-1



THURSDAY, 16 MAY 2024 – 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

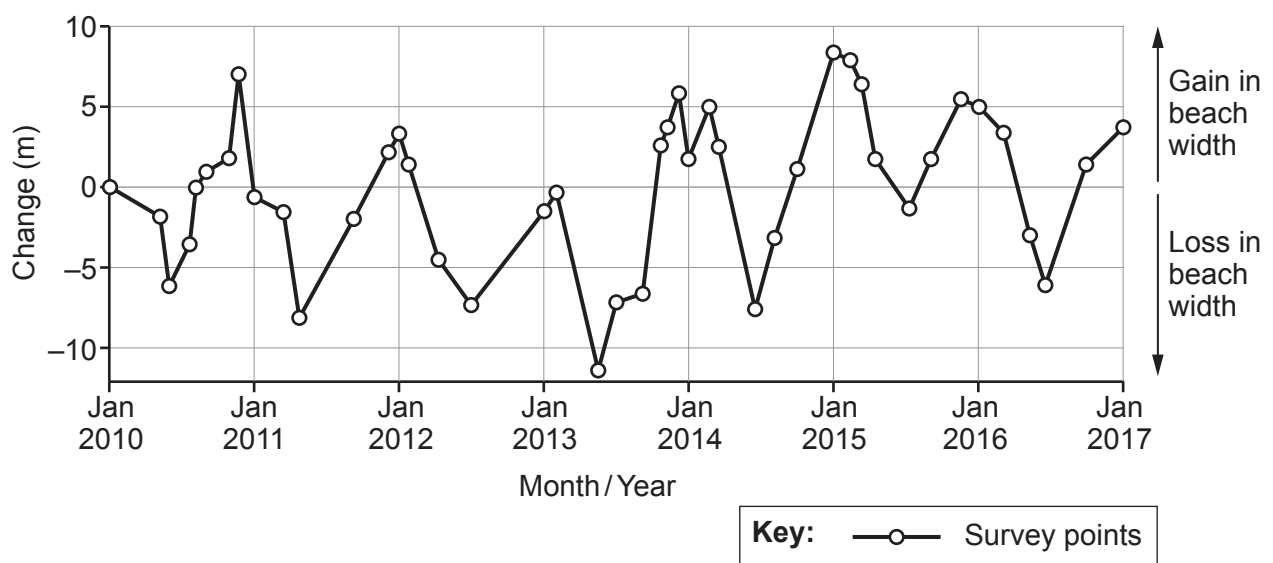
Answer **either** questions 1, 2 and, **either 3 or 4** or questions 5, 6 and, **either 7 or 8** from your chosen landscape.

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: Changes in beach width, Garden Island, Western Australia, 2010–2017



Source: <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2017JF004385>

1. (a) (i) Use **Figure 1** to analyse changes in beach width. [5]
- (ii) Suggest how variations over time in inputs to the coastal system may result in the changes shown in **Figure 1**. [8]

Figure 2: Coastal environments of Wales**Figure 2a: Barafundle – low energy environment****Figure 2b: Llantwit Major – high energy environment**

2. (a) Use **Figure 2** to contrast the two coastal environments. [5]
- (b) Explain how coastal erosion can lead to **two** social losses. [8]

Either,

3. Examine the relative importance of sediment transport processes in the development of **one or more** landforms of coastal deposition. [15]

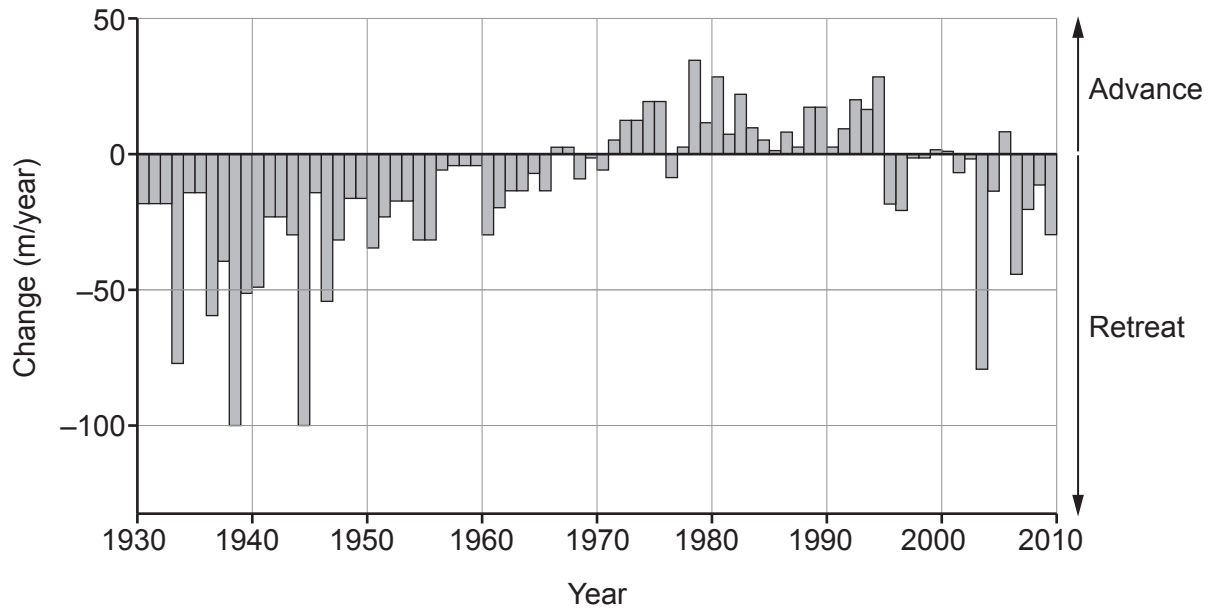
Or,

4. Assess the influence of geology in the characteristics and development of coastal landscapes of erosion. [15]

Glaciated Landscapes

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

Figure 3: Changes in glacier snout position, Hyrningsjökull glacier, Iceland, 1930–2010



Adapted from: Kargel et al., 2014, Global Land Ice Measurements from Space

5. (a) (i) Use **Figure 3** to analyse changes in glacier snout position. [5]
- (ii) Suggest how variations over time in inputs to the glacial system may result in the changes shown in **Figure 3**. [8]

Figure 4: Glaciated landscapes of Sweden

Figure 4a: Skälø island – lowland glaciation



Source: www.kristallin.de/striae/striae_eng.htm

Figure 4b: Helagsfjället – highland glaciation



6. (a) Use **Figure 4** to contrast the two glaciated landscapes. [5]
- (b) Explain how **two** factors can influence rates of glacial erosion. [8]

Either,

7. Examine the relative importance of ground ice in the development of **one or more** periglacial landforms. [15]

Or,

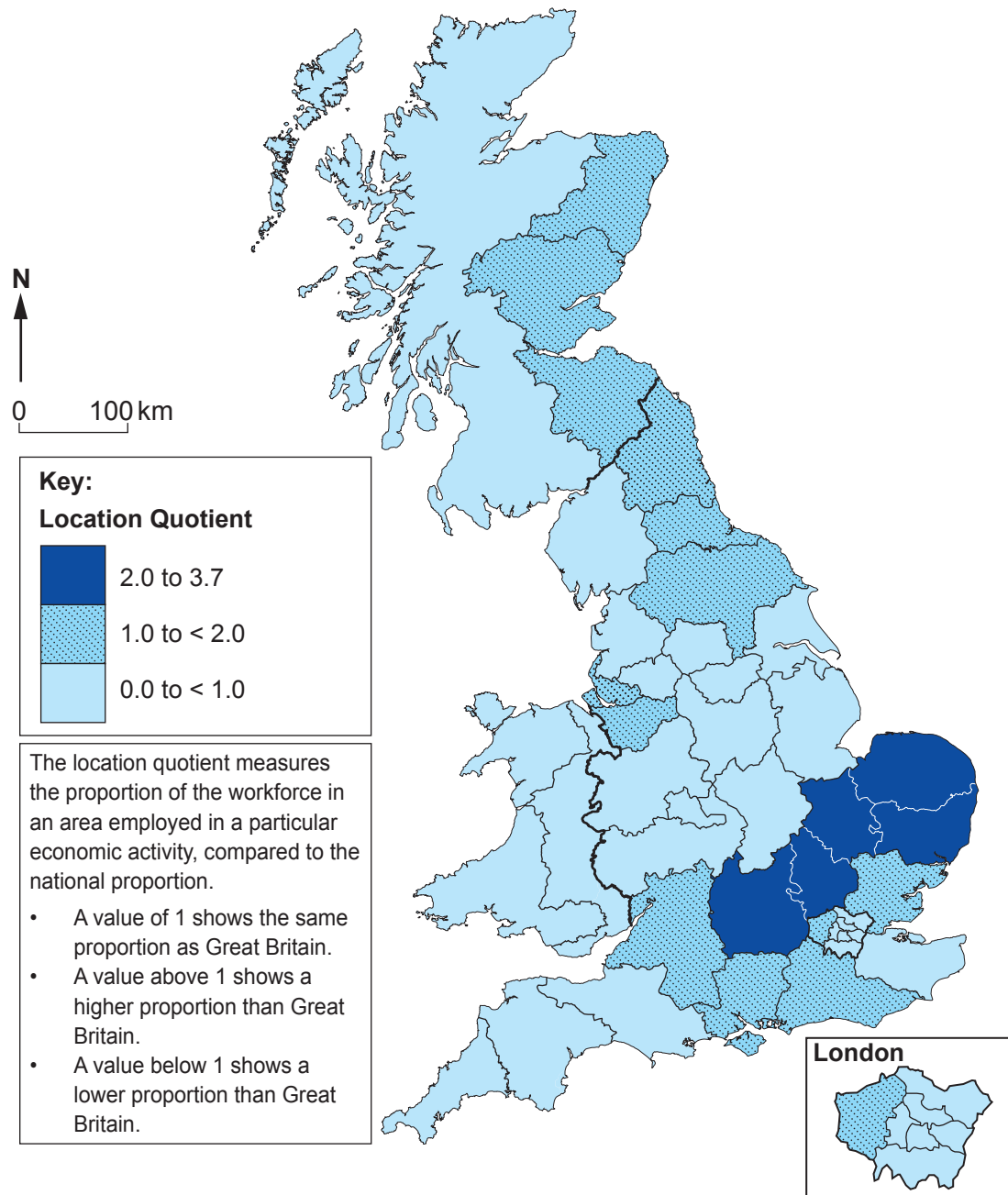
8. Assess the impacts of glacial processes and landscapes on human activity. [15]

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: Regional employment in scientific research and development, Great Britain, 2017



Source: <https://www.ons.gov.uk>

9. (a) Use **Figure 5** to describe the pattern of employment in scientific research and development. [5]
- (b) Outline the demographic and cultural characteristics of **two** contrasting places. [8]

Figure 6: Economic impact of the nightlife in New York City

Figure 6a: Economic impact by sector, 2016

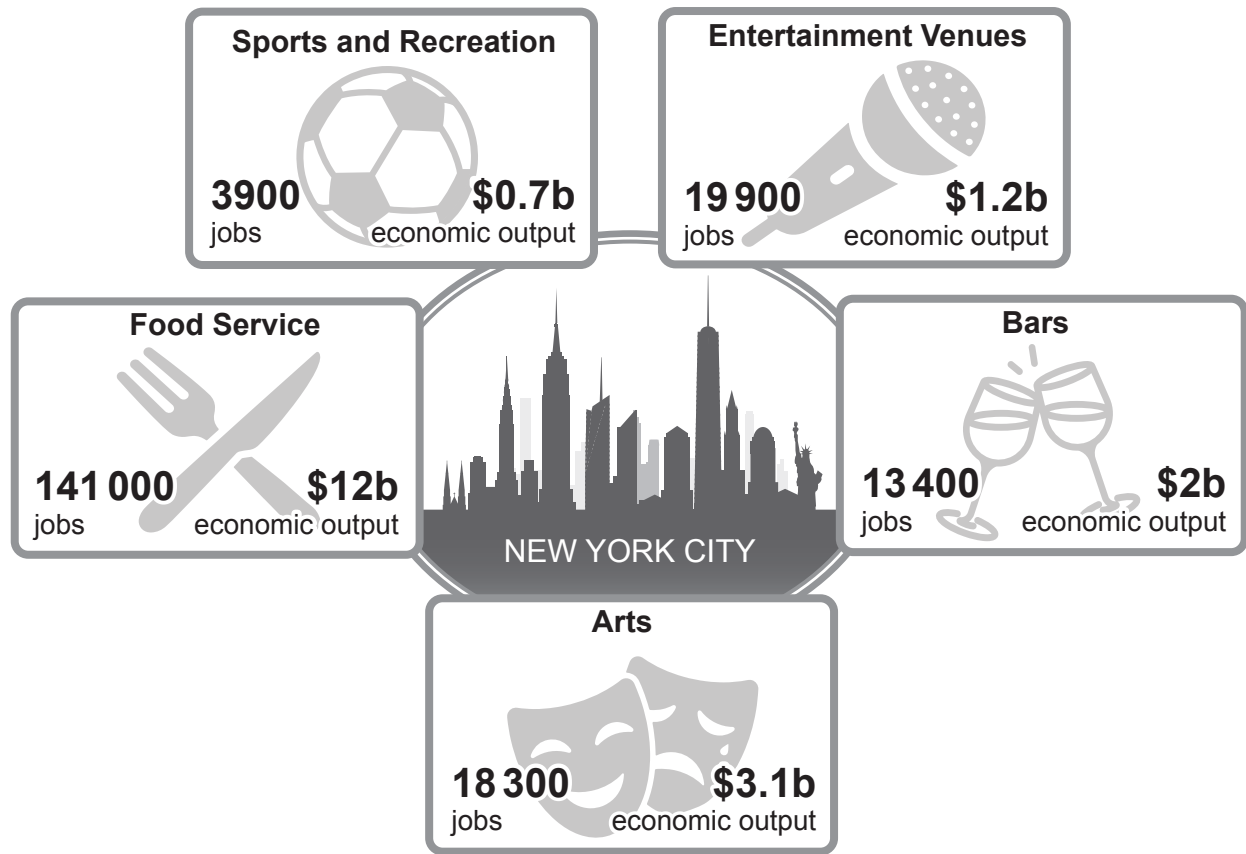


Figure 6b: Economic impact by borough, 2011–2016

	Jobs	Growth (%)
Bronx	7600	7
Brooklyn	31 100	10
Manhattan	128 900	4
Queens	2499	7
Staten Island	3900	4

Adapted from: FNYC Nightlife Economic Impact Report, 2019

10. (a) Use **Figure 6** to analyse the economic impacts of nightlife in New York City. [5]
- (b) Suggest ways in which commercial and entertainment expansion creates challenges in central urban places. [8]

Either,

11. Assess the importance of globalisation in the decline of secondary industries in urban areas. [15]

Or,

12. Examine the ongoing challenges of managing change in rural places. [15]

END OF PAPER

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