

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

INTERNATIONAL AS GEOGRAPHY

Paper 1B Physical Geography 1 Coastal Systems and Landscapes

Wednesday 3 January 2024 07:00 GMT Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do **not** write outside the box around each page or on blank pages.
- All working must be shown.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
TOTAL	



Section A – Living with Hazards

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section A**.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



0 1 . 1

Which of the following describes a short-term response to an earthquake?

[1 mark]

- A Building new schools and infrastructure
- B Improving agriculture in order to encourage food security
- C Investing in the development of earthquake-proof infrastructure
- D Providing bottled water and water purification tablets

☐
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0 1 . 2

Which of the following are characteristics of tropical storms?

[1 mark]

- A They always occur in late autumn and early winter.
- B They develop between 5 degrees north and 30 degrees south of the equator.
- C They develop between 5 degrees north and 5 degrees south of the equator.
- D They develop over hot continental land masses.

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0 1 . 3

Which of the following conditions increases the risk of wildfires?

[1 mark]

- A** Dry, calm conditions where dead vegetation has been removed
- B** Dry, windy conditions with a lot of leaf litter
- C** When winds are strong in winter and people are using open fires in their homes
- D** Where people use rural areas for winter sports activities

☐☐☐☐

0 1 . 4

'Changing behaviour in order to reduce the potential effects of a hazard' is an example of which of the following types of hazard response?

[1 mark]

A Adaptation☐**B** Fatalism☐**C** Prediction☐**D** Risk-sharing☐

0 1 . 5

Which of the following is the term for a mixture of superheated gas, lava and ash ejected from a volcano?

[1 mark]

A Lava flow☐**B** Mudflow☐**C** Nuée ardente☐**D** Tephra☐

5

Turn over ►



'Distinctive landforms are often found at constructive plate margins.'

Assess the extent to which you agree with this statement.

[9 marks]

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Turn over ►



Extra space _____

[20 marks]

[illegible]

[illegible]

Extra space

END OF SECTION A



Turn over for Section B

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box*

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ANSWER IN THE SPACES PROVIDED**

Turn over ►



Section B – Coastal Systems and Landscapes

Answer **all** questions in the spaces provided.

You must answer **all** questions in **Section B**.

Only **one** answer per question is allowed.

For each question completely fill in the circle alongside the appropriate answer.

CORRECT METHOD



WRONG METHODS



If you want to change your answer you must cross out your original answer as shown.



If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown.



0 5 . 1

Which of the following describes wave quarrying?

[1 mark]

- A** Breaking waves throw sediment at a cliff face.
- B** Rocks are dissolved in sea water.
- C** Sediment is moved along a beach by the force of water.
- D** Waves break against a cliff face and remove loose blocks of rock.

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0 5 . 2

What is an offshore bar?

[1 mark]

- A** Deposited sediment that forms a ridge at the top of a beach
- B** Deposited sediment that forms a ridge parallel to the coastline
- C** Deposited sediment which extends from the land into the sea
- D** Deposited sediment which links the mainland to an offshore island

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0 5 . 3

Which of the following describes a sediment cell?

[1 mark]

- A** A length of coastline in which the movement of sediment is largely self-contained
- B** The movement of sediment along a coastline
- C** The volume of beach material in a particular place
- D** Where the rate of mass movement is greater than the rate of erosion

☐☐☐☐

0 5 . 4

Which of the following describes an impact of recent climate change on coastal landscapes?

[1 mark]

- A** Reduced rates of erosion
- B** Reduced risk of coastal flooding
- C** The disappearance of low-lying islands
- D** The increase in emergent coastal landforms

☐☐☐☐

0 5 . 5

'A gently sloping surface, at the base of a cliff, exposed at low tide.'

This statement describes which of the following coastal landforms?

[1 mark]

- A** Barrier beach
- B** Mudflat
- C** Raised beach
- D** Wave-cut platform

☐☐☐☐

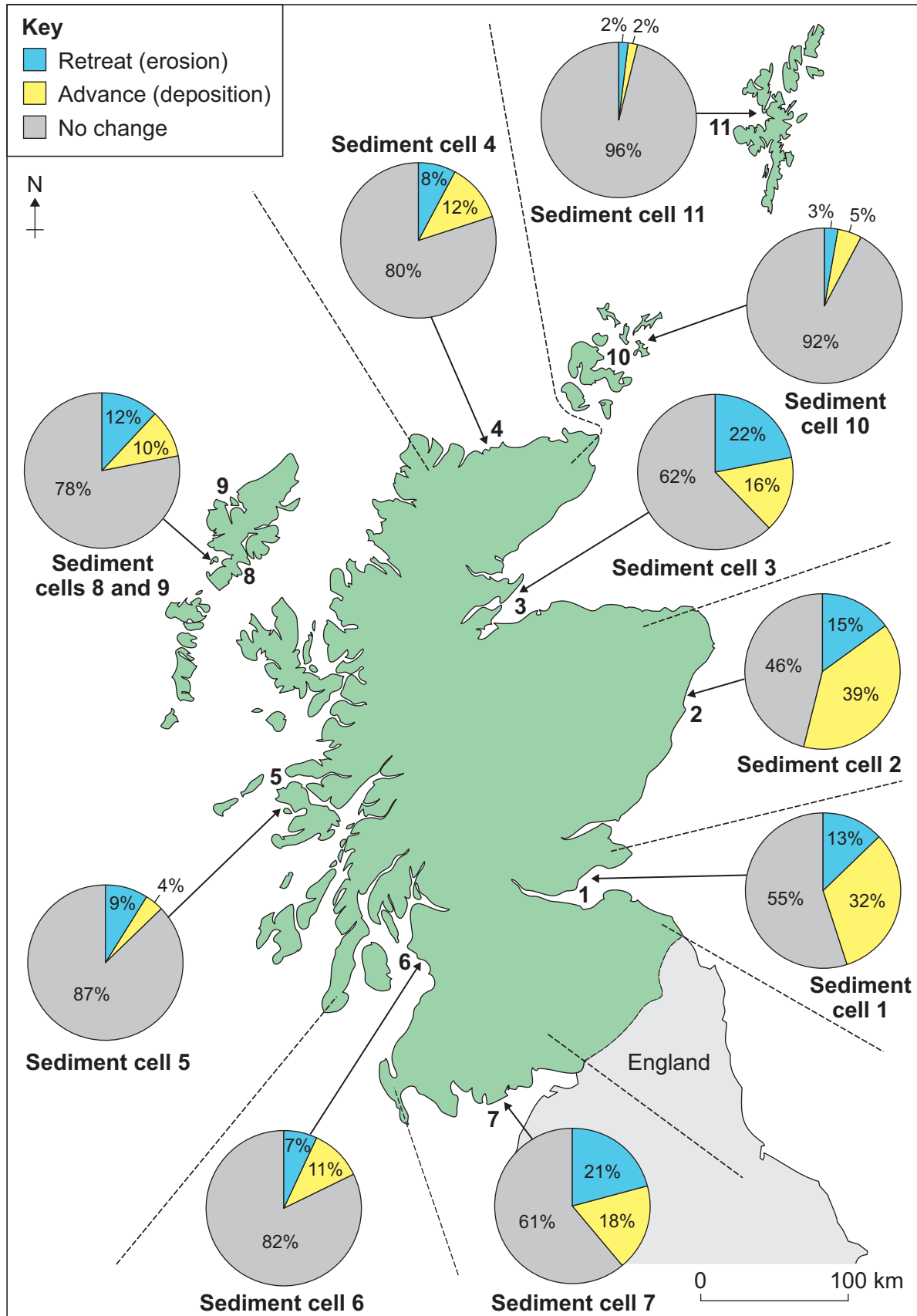
5

Turn over ►



Figure 2 is a map showing relative coastal change by sediment cell around the Scottish coast (1970–2020).

Figure 2



[6 marks]

Extra space _____

6

[9 marks]

[illegible]



0 8

‘Wind is the most important factor in shaping coastal landscapes.’

To what extent do you agree with this statement?

[20 marks]

Turn over ►



[illegible]

Extra space _____



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20

END OF QUESTIONS



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ANSWER IN THE SPACES PROVIDED**



