



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.

A-level GEOGRAPHY

Paper 1 Physical Geography

Time allowed: 2 hours 30 minutes

Materials

For this paper you must have:

- the colour insert (enclosed)
- a pencil
- a rubber
- a ruler.

You may use a calculator.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in Section A.
- Answer **either** Question 2 **or** Question 3 **or** Question 4 in Section B.
- Answer **either** Question 5 **or** Question 6 in Section C.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need additional 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 total number of marks available for this paper is 120.

For Examiner's Use	
Section	Mark
A	
B	
C	
TOTAL	



J U N 2 1 7 0 3 7 1 0 1

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Section A

Water and carbon cycles

Answer **all** questions in this section.

0 1 . 1

Outline the relationship between the water cycle and the carbon cycle in the atmosphere.

[4 marks]

Extra space _____



Section B

Answer **one** question in this section.

Answer **either** Question 2 **or** Question 3 **or** Question 4.

Question 2 Hot desert systems and landscapes

0 2 . 1 Outline the role of wind in the process of transport in hot deserts.

[4 marks]

Extra space _____



Figure 4 shows a landscape in the Namib Desert in southern Africa.

Figure 4



Note: The landforms in this landscape are aligned approximately north-west to south-east and extend from between 16 km to 32 km in length, reaching heights between 60 metres to 240 metres. The sediment source is the Orange River, several kilometres away.

0 2 . 3

Using **Figure 4** and your own knowledge, assess the relative importance of factors leading to the development of this landscape.

[6 marks]



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Question 2 continues on the next page

Turn over ►



Question 3 Coastal systems and landscapes

0 3 . 1 Outline the role of waves in the transportation of sediments at the coast.

[4 marks]

Extra space _____

Question 3 continues on the next page

Turn over ►



Figure 6 is a photograph of a landform located in the Humber Estuary, UK.

Figure 6



Note: This landform extends about 5 km across the Humber Estuary and is only 50 metres wide at its narrowest point. The Holderness coastline to the north comprises mainly boulder clay, which is unconsolidated material deposited at the end of the last ice age.

0 3 . 3

Using **Figure 6** and your own knowledge, assess the relative importance of factors leading to the development of this landform.

[6 marks]

Turn over ►



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Question 4 Glacial systems and landscapes

0 4 . 1 Outline processes by which glaciers erode the landscape.

[4 marks]

Extra space _____



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Question 4 continues on the next page

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Section C

Answer **one** question in this section.

Answer **either** Question 5 **or** Question 6.

Question 5 Hazards

0 5 . 1 Outline the concept of the Hazard Management Cycle.

[4 marks]

Extra space

Question 5 continues on the next page

Turn over ►



Extra space _____

0 5 . 5

To what extent does plate tectonic theory help in understanding the development of landforms associated with plate movement?

[20 marks]

Turn over ►



Question 6 Ecosystems under stress

0 6 . 1

Outline the effect of human activity on succession in **one** plagioclimax that you have studied (eg heather moorland).

[4 marks]

Extra space _____



Extra space _____

0 6 . 5

With reference to the tropical rainforest biome, assess the view that latitude is the most important factor in its natural development.

[20 marks]



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