

Monday 14 January 2013 – Afternoon

AS GCE GEOGRAPHY

F761/01 Managing Physical Environments

Candidates answer on the Question Paper.

OCR supplied materials:

- An Insert (F761/01/I – inserted)

Other materials required:

None

Duration: 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number							Candidate number				
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INSTRUCTIONS TO CANDIDATES

- The Insert will be found in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **two** questions from Section A, Question 1 **or** 2 and Question 3 **or** 4.
- Answer **one** question from Section B. **The question answered must be on a different topic from the two topics chosen in Section A.**
- Answer **three** questions in total.
- Refer to research and fieldwork where appropriate.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined page(s) at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

INFORMATION FOR CANDIDATES

- The number of marks is given in brackets [] at the end of each question or part question.
- The Insert contains maps and diagrams for use with questions.
- The total number of marks for this paper is **75**.
- You will be awarded marks for the quality of written communication where an answer requires a piece of extended writing.
- Even where not specifically asked for, credit will be given for sketch maps and diagrams, provided they illustrate your answer.
- This document consists of **20** pages. Any blank pages are indicated.

Section A

Answer **two** questions, Question 1 **or** 2 and Question 3 **or** 4.

Answer Question 1 **or** 2.

EITHER

River Environments

1 (a) Study Fig. 1, which shows the erosion index (1938–2004) along the Lower San Antonio River, Texas, USA.

(i) Using Fig. 1, describe how the erosion index varies with distance downstream.

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(ii) Suggest and explain **two** factors influencing these variations.

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(b) Outline **two** slope processes typical of river environments.

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OR

Coastal Environments

2 (a) Study Fig. 2, which shows mean erosion rates (1951–2001) along a coastline in Yorkshire.

(i) Using Fig. 2, describe how mean erosion rates vary along this coastline.

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(ii) Suggest and explain **two** factors influencing these variations.

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EITHER

Cold Environments

3 (a) Study Fig. 3, a summary of a sustainable tourism scheme in the Swiss Alps.

(i) Use evidence from Fig. 3 to show how socio-economic and environmental needs are being met.

Socio-economic

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Environmental

..... **[2]**

(ii) In what way is this scheme sustainable?

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(b) State and explain **two** ways in which plants adapt to survive in cold environments.

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OR

Hot Arid and Semi-Arid Environments

4 (a) Study Fig. 4, a summary of a sustainable irrigation scheme in Saudi Arabia.

(i) Use evidence from Fig. 4 to show how socio-economic and environmental needs are being met.

Socio-economic

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Environmental

..... [2]

(ii) In what way is this scheme sustainable?

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(b) State and explain **two** ways in which plants adapt to survive in hot arid/semi-arid environments.

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Section B

Answer **one** of the following questions.

The question answered must be on a different topic from the two topics chosen in Section A.

River Environments

- 5 With reference to one or more river basins, describe the conflicts which exist between different land uses and explain how they can be managed. [25]

Coastal Environments

- 6 With reference to one or more coastal areas, describe the conflicts which exist between different human activities and explain how they can be managed. [25]

Cold Environments

- 7 With reference to located examples, examine ways in which cold environments provide social, economic and environmental challenges for development. [25]

Hot Arid and Semi-Arid Environments

- 8 With reference to located examples, examine ways in which hot arid/semi-arid environments provide social, economic and environmental challenges for development. [25]

Essay plan for your answer.

Write the number of the question answered in the margin.

A large vertical margin area on the left side of the page, bounded by a solid vertical line on the left and a dotted vertical line on the right. The area is filled with horizontal dotted lines, providing space for writing the question numbers.

A vertical solid line is positioned on the left side of the page. From this line, 25 horizontal dotted lines extend across the page, creating a series of rows for writing.

A large rectangular area designed for writing. It features a solid vertical line on the left side and a series of horizontal dotted lines extending across the page, creating a grid-like structure for text entry.

A vertical solid line is positioned on the left side of the page. From this line, 25 horizontal dotted lines extend across the page, creating a series of rows for writing.

ADDITIONAL ANSWER SPACE

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

A large rectangular area for writing answers. It is bounded on the left by a solid vertical line and on the top, bottom, and right by horizontal dotted lines. The interior of the rectangle is empty, providing space for handwritten text.

A large rectangular area with a solid vertical line on the left and horizontal dotted lines, providing space for writing answers.



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