Candidate forename		Candidate surname	

Centre number						Candidate number				

OXFORD CAMBRIDGE AND RSA EXAMINATIONS

ADVANCED SUBSIDIARY GCE

F761

GEOGRAPHY

Managing Physical Environments

FRIDAY 14 JANUARY 2011: Morning
DURATION: 1 hour 30 minutes

SUITABLE FOR VISUALLY IMPAIRED CANDIDATES

Candidates answer on the question paper.

OCR SUPPLIED MATERIALS:

An insert (F761/I – inserted)

OTHER MATERIALS REQUIRED:

None

READ INSTRUCTIONS OVERLEAF

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INSTRUCTIONS TO CANDIDATES

- **Write your name, centre number and candidate number in the boxes on the first page. Please write clearly and in capital letters.**
- **Use black ink. Pencil may be used for graphs and diagrams only.**
- **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 pages at the end of this booklet. The question number(s) must be clearly shown.**
- **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.**

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.**

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, a photograph showing the East Lyn River, Devon.

(i) Describe the main features of the river and its valley shown in Fig. 1. [4]

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(ii) Suggest how TWO natural processes are shaping this valley. [6]

(b) State and explain TWO environmental impacts of flooding. [6]

(c) With reference to a located example, describe and explain how a river environment provides opportunities for human activities. [9]

[Total: 25]

OR

COASTAL ENVIRONMENTS

2 (a) Study Fig. 2, a photograph showing the coastline near Lynmouth, Devon.

(i) Describe the main features of the coastline shown in Fig. 2. [4]

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(ii) Suggest how TWO natural processes are shaping this coastline. [6]

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(b) Show how TWO methods of soft engineering can protect coastlines from natural processes. [6]

(c) With reference to a located example, describe and explain how a coastal environment provides opportunities for human activities. [9]

[Total: 25]

Answer Question 3 OR 4.

EITHER

COLD ENVIRONMENTS

3 (a) Study Fig. 3, two maps showing annual days of melt on the Greenland ice sheet in 1979 and 2007.

(i) Describe the pattern of change in annual days of melt shown in Fig. 3. [4]

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(ii) Suggest TWO reasons for this pattern of change. [6]

(b) Explain TWO impacts of climate on the characteristics of animals in cold environments. [6]

(c) With reference to one or more cold environments, examine how meltwater has shaped the landscape. [9]

[Total: 25]

OR

HOT ARID AND SEMI-ARID ENVIRONMENTS

4 (a) Study Fig. 4, a map showing areas of Africa at risk of desertification.

(i) Describe the pattern of areas at risk of desertification shown in Fig. 4. [4]

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(ii) Suggest TWO reasons for this pattern. [6]

(b) Explain TWO impacts of climate on the characteristics of animals in hot arid/semi-arid environments. [6]

(c) With reference to one or more hot arid/semi-arid environments, examine how water has shaped the landscape. [9]

[Total: 25]

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 located examples, explain why successful river basin management requires an understanding of physical processes. [25]

COASTAL ENVIRONMENTS

6 With reference to one or more located examples, explain why successful coastal management requires an understanding of physical processes. [25]

COLD ENVIRONMENTS

7 With reference to located examples, explain how cold environments can provide both opportunities and challenges for development. [25]

HOT ARID AND SEMI-ARID ENVIRONMENTS

8 With reference to located examples, explain how hot arid/semi-arid environments can provide both opportunities and challenges for development. [25]

Essay plan for your answer.

Write the number of the question answered in the margin.

ADDITIONAL PAGES:

If you use the following lined pages to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

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