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Paper Reference(s)

6474/01

Edexcel GCE

Geography B

Advanced

Unit 4: Global Challenge

Wednesday 24 January 2007 – Afternoon

Time: 2 hours

Examiner's use only

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Team Leader's use only

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| Section A | |
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Materials required for examination

Nil

Items included with question papers

Resource Booklet

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initial(s) and your signature.

Answer **THREE** questions, choosing **ONE** from **Section A on page 2**, **ONE** from **Section B on page 10** and **ONE** from **Section C on page 18**. For each section, indicate which question you are answering by marking the box (☒). If you change your mind, put a line through the box (☒) and then indicate your new question with a cross (⊗).

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (10). There are 9 questions in this question paper. Questions in Sections A and B are worth 25 marks; questions in Section C are worth 30 marks. The total mark for this paper is 80. There are 28 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

You must ensure that your answers to parts of the questions are clearly indicated by (a) or (b). Quality of written communication will be assessed within your answers.

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For each section, choose which question you intend to answer and put a cross in the box at the top of the writing page. If you change your mind about an answer, put a line through the box and then mark your new question with a cross.

Section A

The Natural Environment

Answer ONE question only.

You are advised to spend approximately 35 minutes on this question.

- 1. Study Figure 1.**
- (a) Suggest likely reasons for the distribution of billion dollar weather events shown. **(10)**
- (b) With reference to examples, examine the management challenges posed by extreme weather events. **(15)**
- (Total 25 marks)**

- 2. Study Figure 2.**
- (a) Describe and explain the seasonal changes in **rainfall** shown. **(10)**
- (b) With reference to examples, assess the impact of seasonal variations in temperature and rainfall on economic activities. **(15)**
- (Total 25 marks)**

- 3. Study Figure 3.**
- (a) Describe and explain the range in the net primary productivity values shown. **(10)**
- (b) Choose **one** global ecosystem. Evaluate the success of different management strategies aimed at its conservation. **(15)**
- (Total 25 marks)**

(Total for Section A: 25 marks)





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Chosen Question Number: **Question 1** **Question 2** **Question 3**

Write your answer to Section A here:

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Section A

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Section B

Population and the Economy

Answer ONE question only.

You are advised to spend approximately 35 minutes on this question.

4. Study Figure 4.
- (a) Describe and suggest reasons for the changes shown. **(10)**
- (b) With reference to a range of countries, evaluate the impact on society of changing population structure. **(15)**
- (Total 25 marks)**

5. Study Figure 5.
- (a) Describe and suggest reasons for the differences shown in 1960 and 2000. **(10)**
- (b) With reference to examples, evaluate some of the key issues posed by international migration. **(15)**
- (Total 25 marks)**

6. Study Figure 6.
- (a) With reference to Figure 6 and your own knowledge, describe and suggest reasons for the pattern of outsourcing flows. **(10)**
- (b) With reference to **one** named manufacturing or service industry, explain the recent changes that have occurred in its organisation and location. **(15)**
- (Total 25 marks)**

(Total for Section B: 25 marks)



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Chosen Question Number: Question 4 Question 5 Question 6

Write your answer to Section B here:

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Section C

Cross Unit Questions

Answer ONE question only.

You are advised to spend approximately 45 minutes on this question.

It is important that you use examples to support your arguments.

7. Study Figure 7.

(a) Who will care and why, if it warms up a couple of degrees? **(15)**

(b) With reference to a range of scales and examples, evaluate attempts to reduce the effects of global warming. **(15)**

(Total 30 marks)

8. Study Figure 8.

(a) Describe and explain the pattern of biodiversity shown. **(15)**

(b) With reference to examples, evaluate the extent to which population growth is the main cause of biodiversity loss. **(15)**

(Total 30 marks)

9. Study Figure 9.

(a) With reference to examples, evaluate the three pathways to poverty reduction. **(15)**

(b) With reference to named areas, assess the extent to which poverty results from an imbalance between population and natural resources. **(15)**

(Total 30 marks)

(Total for Section C: 30 marks)





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