

General Certificate of Education  
January 2008  
Advanced Level Examination



**GEOGRAPHY (SPECIFICATION B)**  
**Unit 4 Global Change**

**GGB4**

Wednesday 23 January 2008 1.30 pm to 3.00 pm

**For this paper you must have:**

- an 8-page answer book.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use black ink or black ball-point pen. Pencil should only be used for drawing.
- Write the information required on the front of your answer book. The *Examining Body* for this paper is AQA. The *Paper Reference* is GGB4.
- Answer **two** questions: **one** from Section A and **one** from Section B.
- Give sketch maps, diagrams and specific examples, where appropriate.

**Information**

- The maximum mark for this paper is 50.
- The marks for questions (or part questions) are shown in brackets.
- All questions should be answered in continuous prose where appropriate. You will be marked on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary where appropriate. The legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

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**SECTION A**

Answer **one** question from this section.

Each question carries 25 marks.

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- 1** Answer the following questions with reference to the tropical regions of Africa with wet and dry seasons.
- (a) Describe the seasonal variations in wind direction, precipitation and temperature in these regions. *(7 marks)*
  - (b) With the aid of a diagram, state what is meant by the term 'soil moisture budget'. *(6 marks)*
  - (c) Outline the hydrological responses to the factors identified in (a) and (b). *(5 marks)*
  - (d) Explain ways in which the vegetation of these regions is adapted to the seasonal variations in climate. *(7 marks)*
- 2**
- (a) Describe the growth of groups of nations in the past 30 years, including the European Union. *(7 marks)*
  - (b) Outline **two** pieces of evidence that demonstrate attitudes **against** the grouping of nations. *(5 marks)*
  - (c) With reference to examples:
    - (i) identify reasons why separatist pressures exist *(6 marks)*
    - (ii) discuss the consequences of separatist pressures. *(7 marks)*

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**SECTION B**

Answer **one** question from this section.

Each question carries 25 marks.

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- 3** Write a report on the impact and management of both of the following **two** hazards in the human environment:

burglary in urban areas **and** transmittable disease.

In your answer you should:

- identify the impacts of these **two** hazards
- describe the responses that have been made to prevent and/or to manage these hazards
- discuss the effectiveness of these responses. *(25 marks)*

- 4** Write an account of tectonic activity and landforms at plate margins.

In your answer you should:

- identify main processes of tectonic activity at constructive, destructive and conservative plate margins
- describe landforms associated with these margins
- show how these landforms are related to the processes taking place at these margins. *(25 marks)*

**END OF QUESTIONS**

**There are no questions printed on this page**