

General Certificate of Education
January 2006
Advanced Level Examination



GEOGRAPHY (SPECIFICATION B)
Unit 4 Global Change

GGB4

Tuesday 24 January 2006 Afternoon Session

For this paper you must have:

- an 8-page answer book

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or 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.
- You will be assessed 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 degree of legibility of your handwriting and the level of accuracy of your spelling, punctuation and grammar will also be taken into account.

SECTION A

Answer **one** question from this section.

Each question carries 25 marks.

- 1** Answer the following 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, explain the 'soil moisture budget' of these regions. *(6 marks)*
 - (c) Outline the hydrological responses to the seasonal variations in climate described in (a). *(5 marks)*
 - (d) Show how the vegetation of these regions is adapted to the seasonal variations in climate. *(7 marks)*
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- (a) Describe the major forms of international migration that have taken place in the last 30 years. *(7 marks)*
 - (b) Identify two pieces of evidence that suggest there are two main attitudes to international migration, those in favour and those against. Explain how each piece of evidence demonstrates one of these attitudes. *(6 marks)*
 - (c) With reference to one example, outline what is meant by a multicultural society. *(5 marks)*
 - (d) Discuss the issues that have arisen from the development of multicultural societies. *(7 marks)*

SECTION B

Answer **one** question from this section.

Each question carries 25 marks.

- 3 “The major physical characteristics of the surface of the Earth are the consequence of the global pattern of tectonic processes.”
Discuss this statement.

In your answer, you should:

- describe the major physical characteristics of the Earth’s surface;
- outline the global pattern of tectonic processes;
- evaluate the strength of the relationship between the major physical characteristics and tectonic processes. *(25 marks)*

- 4 “Vegetation changes over time in the British Isles are more the result of natural processes of succession than of human activities leading to plagioclimaxes.”
Discuss this statement.

In your answer, you should:

- describe a vegetation succession that has taken place in the British Isles, such as a lithosere;
- outline the human activities that have resulted in plagioclimaxes within the British Isles;
- evaluate the relative importance of natural processes and human activities in vegetation changes over time. *(25 marks)*

END OF QUESTIONS

There are no questions printed on this page