

General Certificate of Education
June 2007
Advanced Level Examination



GEOGRAPHY (SPECIFICATION B)
Unit 4 Global Change

GGB4

Tuesday 12 June 2007 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 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.
- 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.

SECTION A

Answer **one** question from this section.

Each question carries 25 marks.

- 1** (a) In the context of vegetation studies, define **each** of the following terms:
- (i) succession
 - (ii) plagioclimax. (4 marks)
- (b) Describe and explain the processes involved in the succession known as a lithosere. (6 marks)
- (c) Discuss **two** ways in which vegetation successions within the British Isles may be modified by human activities. (7 marks)
- (d) Using **an annotated diagram**, describe and suggest reasons for the characteristic features of **either** a podzol **or** a brown earth. (8 marks)
- 2** (a) In the context of the theory of plate tectonics, define **each** of the following terms:
- (i) destructive plate margin
 - (ii) constructive plate margin. (4 marks)
- (b) Using **an annotated diagram**, outline the effects of tectonic processes at **either** a destructive plate margin **or** a constructive plate margin. (8 marks)
- (c) Describe the processes that operate at 'hot spots', located away from plate boundaries. (6 marks)
- (d) Discuss how **two** pieces of evidence support the theory of plate tectonics. (7 marks)

SECTION B

Answer **one** question from this section.

Each question carries 25 marks.

3 *'The ability to manage hazards depends on where they occur.'*

Discuss this statement with reference to **one** major urban area where multiple hazards occur.

In your answer, you should:

- identify the hazards that affect the urban area, giving their origin, frequency and scale
- describe the effects that the hazards have on the area, including any interrelationship(s) between them
- discuss the types of response to the hazards. (25 marks)

4 *'During the last 30 years, there has been a tendency for countries to group together. At the same time separatist pressures exist within countries.'*

Discuss this statement.

In your answer, you should:

- describe the growth of **one or more** groups of nations
- outline the reasons for the development of such groups
- give reasons for separatist pressures. (25 marks)

END OF QUESTIONS

There are no questions printed on this page