

General Certificate of Education
January 2005
Advanced Level Examination



GEOGRAPHY (SPECIFICATION B)
Unit 5 The Synoptic Unit

GGB5

Friday 28 January 2005 Morning Session

In addition to this paper you will require:

- an 8-page answer book;
- the Advance Information Booklet (previously despatched).

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 GGB5.
- Answer all questions in this paper.
- In each of your answers you should, wherever possible, use a range of information, ideas and examples from other modules you have studied to show your understanding of the connections between the different aspects of your course and the topic in question.

Information

- Mark allocations are shown in brackets.
- Unit 5 carries 20 per cent of the marks for the Advanced Level examination.
- You are reminded of the need for good English and clear presentation in your answers. All questions should be answered in continuous prose. Quality of Language will be assessed in all answers.

Answer **all** questions.

In order to demonstrate your synoptic ability and your decision-making skills, you should, wherever possible, refer to a range of information, ideas and examples from the Information Booklet and from other modules you have studied. Use this method to show your understanding of the connections between different aspects of your course and the topic featured in the questions.

- 1 Refer to Map 3 showing the position of Montserrat in relation to tectonic plate margins, and to your knowledge of vulcanicity.

Explain why the eastern Caribbean, including Montserrat, experiences volcanic eruptions.
(10 marks)

- 2 Explain what problems Mount Soufrière can cause. You should distinguish between primary effects and secondary effects of volcanic activities.
(10 marks)

- 3 You are working with the Department for International Development (DfID) on Montserrat to review the strategies described in Item 3 for responses to possible hazards.

Bearing in mind:

- the island's recent geological history,
- the predicted likelihood of future hazards, and
- the changing patterns of population and settlement on the island

describe what you think should be the main features of plans to respond to future hazards. Justify your suggestions.
(20 marks)

- 4 You have been asked to draw up a plan for the long-term **economic** development of the island. What information would you require, and what further research would you need to commission, before you could draw up your plan? Justify your suggestions.
(10 marks)

END OF QUESTIONS