

Surname		Other Names	
Centre Number		Candidate Number	
Candidate Signature			

For Examiner's Use

General Certificate of Education
January 2007
Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION B)
Unit 1 The Dynamics of Change

GGB1

Monday 15 January 2007 9.00 am to 10.00 am

<p>You will need no other materials. You may use a calculator.</p>

For Examiner's Use			
Question	Mark	Question	Mark
1		3	
2		4	
Total (Column 1) →			
Total (Column 2) →			
TOTAL			
Examiner's Initials			

Time allowed: 1 hour

Instructions

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- Answer the questions in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want to be marked.
- Give sketch maps, diagrams and specific examples, where appropriate.
- If there is not enough space for your answer(s), use the extra page(s) at the end of the book. If you do this, make sure that you show the number of the question you are answering.

Information

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- 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.

Answer **all** questions in the spaces provided.

Total for this question: 10 marks

1 Using an example(s) from a fieldwork investigation that you have undertaken:

(a) State **one** hypothesis and describe the method(s) used to collect the data required to test that hypothesis.

Hypothesis

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(5 marks)

(b) How did your results help to improve your understanding of the topic or environment investigated?

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(5 marks)

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Turn over for the next question

Turn over ►

Total for this question: 17 marks

2 (a) What is meant by the term *over-population*?

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(2 marks)

(b) Many countries have attempted to solve problems caused by an imbalance between population and resources.

With reference to examples, describe **two** such attempts, and comment on the extent to which they have been successful in changing the situation.

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(10 marks)

- (c) Give **one** example of a renewable energy resource and outline **two** advantages of using renewable resources to generate energy.

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(5 marks)

Turn over for the next question

Turn over ►

Total for this question: 16 marks

3 (a) Why has service employment grown faster in some regions of the UK than in others in the last 30 years?

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(8 marks)

(b) What is meant by the term *inward investment*?

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(2 marks)

(c) Describe **two** ways in which overseas investment can affect the economy of the UK at a national and/or regional level.

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(6 marks)

16

Turn over for the next question

Turn over ►

Total for this question: 17 marks

- 4 (a) Study **Figure 1**, which shows part of a drainage basin in an upland area underlain by impermeable rock.

Figure 1



Suggest reasons why this area would produce a flashy hydrograph following a storm event.

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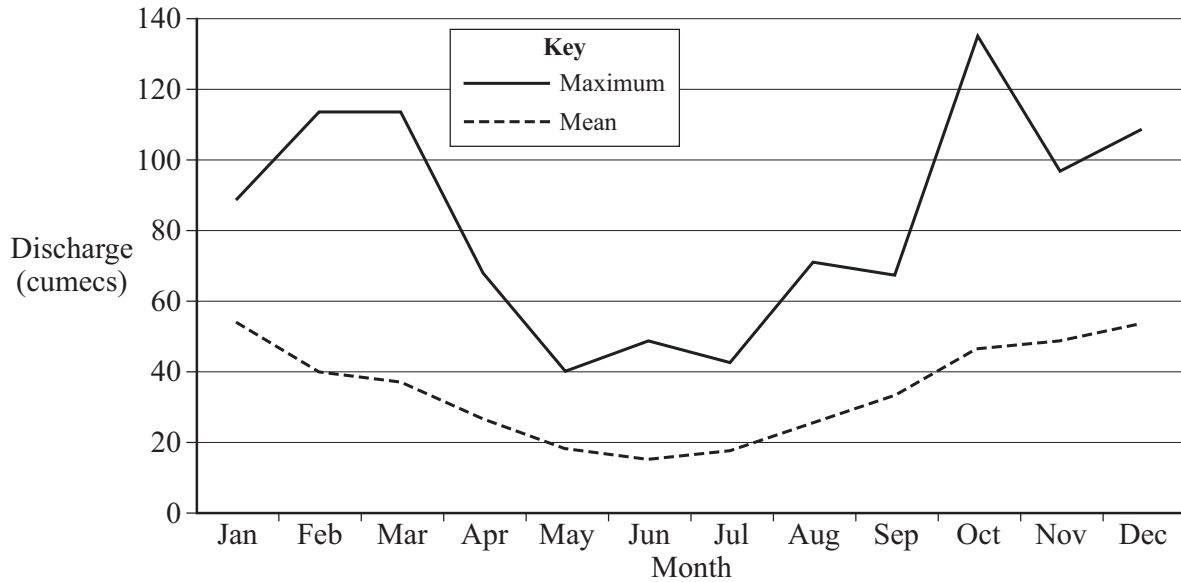
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(6 marks)

(b) Study **Figure 2**, which shows the monthly variations in maximum and mean discharge for a river draining an upland catchment.

Figure 2

Maximum and Mean Discharge



Describe the variations and suggest why this catchment might cause problems for river management.

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(6 marks)

Question 4 continues on the next page

Turn over ►

- (c) Study **Figure 3**, which shows some methods that have been applied to channels and catchments in an attempt to manage river flow.

Figure 3



Suggest how **two** of these methods would influence the risk of flooding.

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(5 marks)

END OF QUESTIONS

QUESTION
NUMBER

Write the question number in the left-hand margin.

A series of horizontal dotted lines for writing answers, spanning the width of the page.

QUESTION
NUMBER

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A series of horizontal dotted lines for writing.

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