

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Education
 January 2005
 Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION B)
Unit 1 The Dynamics of Change

GGB1

Thursday 13 January 2005 Morning Session

No additional materials are required.
 You may use a calculator.

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 in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want 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.
- Mark allocations are shown in brackets.
- You are expected to use a calculator where appropriate.
- 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.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
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Total (Column 1)		→	
Total (Column 2)		→	
TOTAL			
Examiner's Initials			

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

1 **Total for this question: 17 marks**

(a) Outline why precipitation occurs at fronts in a depression.

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(4 marks)

(b) Describe, and suggest reasons for, the weather associated with an anticyclone **in winter**.

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(8 marks)

- (c) For a river that drains a catchment area underlain by impermeable rock, draw a **fully labelled** diagram to show the shape of a hydrograph that would be produced as a result of a rainstorm following a period of prolonged wet weather.

(5 marks)

Turn over ►

2

Total for this question: 17 marks

Study **Figure 1**, which shows the dietary energy supply for a sample of 159 countries in 1969 and 1997.

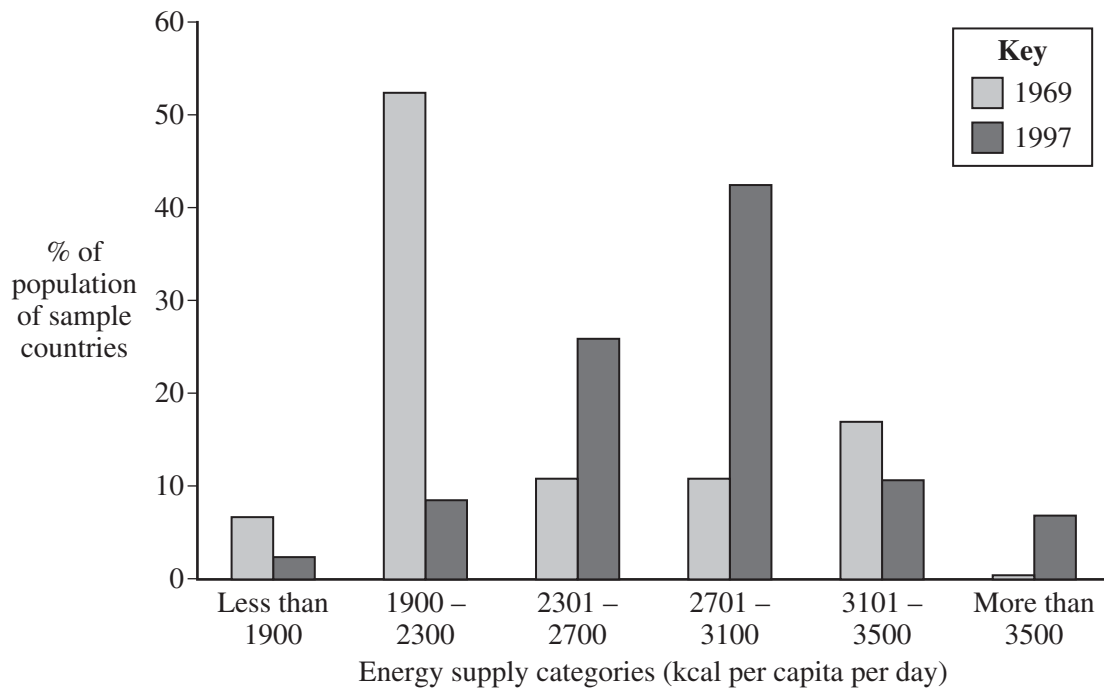


Figure 1

(a) Describe the changes in dietary energy supply shown.

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(4 marks)

(b) Suggest factors and/or strategies that may have contributed towards these changes.

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(8 marks)

- (c) To what extent do the data in **Figure 1** support an optimistic view of the relationship between population and resources?

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(5 marks)

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3

Total for this question: 10 marks

- (a) Using examples from a human, physical or human/physical investigation which you have undertaken, state the aim of your investigation and **two** hypotheses.

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(3 marks)

- (b) For **one** hypothesis, describe how you **analysed** the data that you collected and show how the results helped your understanding of the topic studied.

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Total for this question: 16 marks

Figures 2a and **2b** show some aspects of social and demographic change over the last 30 years in the UK.

	% Under 16	% 16–64	% 65 and over	Total population in millions
1971	25.5	61.2	13.3	55.9
1981	22.3	62.7	15.0	56.4
1991	20.4	63.9	15.7	57.8
2001	19.9	64.0	16.1	58.8

Figure 2a Age structure of the population

Percentage of households							Average size of household (number of people)
1 person	2 people	3 people	4 people	5 people	6 or more people		
1971	18	32	19	17	8	6	2.9
1981	22	32	17	18	7	4	2.7
1991	27	34	16	16	5	2	2.5
2001	29	35	15	14	5	2	2.4

Figure 2b Households by size

(a) Describe the main changes in age structure and household size shown.

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(6 marks)

- (b) Explain how social and demographic changes over the last 30 years have affected the size, type and location of housing developments within urban areas.

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(10 marks)

END OF QUESTIONS

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QUESTION
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Question 2: Figure 1: Social Trends. Crown copyright material is reproduced with the permission of the Controller of HMSO and the Queen's Printer for Scotland.

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