

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Education
 June 2005
 Advanced Subsidiary Examination



GEOGRAPHY (SPECIFICATION B)
Unit 1 The Dynamics of Change

GGB1

Friday 27 May 2005 Afternoon 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			
3			
4			
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) What is meant by the following terms in relation to rivers?

(i) abrasion

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(ii) attrition

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(4 marks)

(b) How do variations in velocity influence a river's ability to pick up and transport material?

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(6 marks)

- (c) Explain, with the aid of a diagram, how processes of erosion and deposition affect the cross-section of a river channel.

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(7 marks)

Turn over ►



2

Total for this question: 17 marks

(a) Define the term 'infant mortality'.

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(2 marks)

(b) What problems could arise as a result of longevity?

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(5 marks)

(c) The following are examples of problems that have arisen as a result of harnessing energy:

acid deposition;

the emission of ‘greenhouse gases’;

deforestation in LEDCs.

Describe the causes of these problems.

For **one** of these problems, suggest strategies that have been, or could be, adopted to reduce the problem.

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(10 marks)

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Total for this question: 16 marks

- (a) Study **Figure 1**, which shows changes in employment in the service sector in the UK between 1978 and 1998.

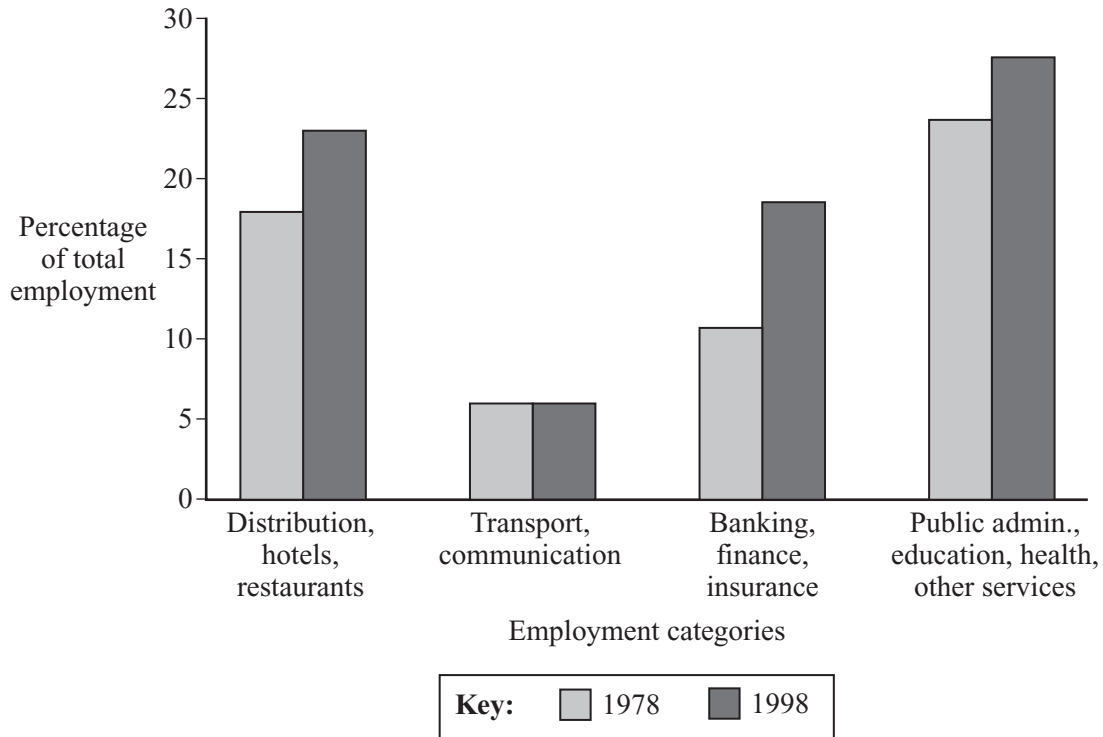


Figure 1

- (i) Describe the changes shown.

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(3 marks)

- (ii) Suggest reasons that have led to the overall growth of service sector employment in the UK in the last 30 years.

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(5 marks)

- (b) How has the pattern of segregation of social groups on the basis of wealth changed in urban areas in the last 30 years?

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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 collected the data required to test that hypothesis and show how you tried to ensure that the data were as accurate as possible.

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(7 marks)

END OF QUESTIONS

10

QUESTION
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