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Centre Number						Candidate Number					
Candidate Signature											

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General Certificate of Education  
 January 2006  
 Advanced Subsidiary Examination



**GEOGRAPHY (SPECIFICATION B)**  
**Unit 1 The Dynamics of Change**

**GGB1**

Friday 13 January 2006 9.00 am to 10.00 am

**You will need no other materials.**  
 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.
- Answer the 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.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- 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 Written Communication will be assessed in all answers.

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

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

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**Total for this question: 10 marks**

**1** Using examples from an investigation that you have undertaken:

(a) Outline the aim(s) of your study and state **two** hypotheses that were established as a basis of the investigation.

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*(3 marks)*

(b) Describe a method of presentation that you used in your investigation and indicate how the chosen method was useful.

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(7 marks)

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**Turn over for the next question**

**Turn over ►**



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(10 marks)

(c) Human activity can influence the shape of a storm hydrograph.

Choose **one** type of land use change and suggest how that change would modify a storm hydrograph.

Type of land use change .....

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(5 marks)

**Turn over for the next question**

**Total for this question: 17 marks**

- 3 (a) Define the term 'optimum population'.

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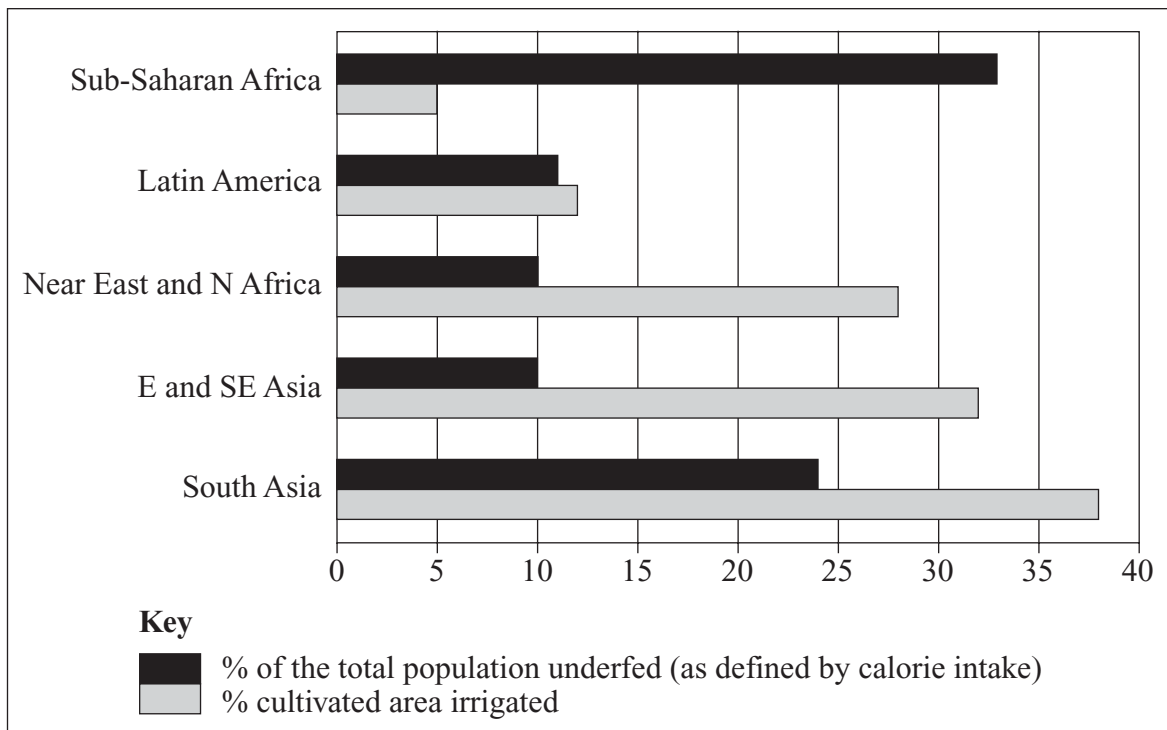
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(2 marks)

- (b) Different indicators may be used to assess the relationship between population and resources.

Study **Figure 1** which shows two such indicators relating to the period 1998–2000.

**Figure 1**



(i) Comment on the relationship shown in **Figure 1**.

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*(4 marks)*

(ii) Suggest **two** other indicators that could be used to assess the level of development of a country. Justify your choices.

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*(4 marks)*

**Question 3 continues on the next page**

**Turn over ►**

- (c) Acid deposition and the emission of greenhouse gases are two issues that have arisen as a result of harnessing energy.

For **one** of these, outline methods that have been, or could be, adopted to address the issue.

Chosen issue .....

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(7 marks)



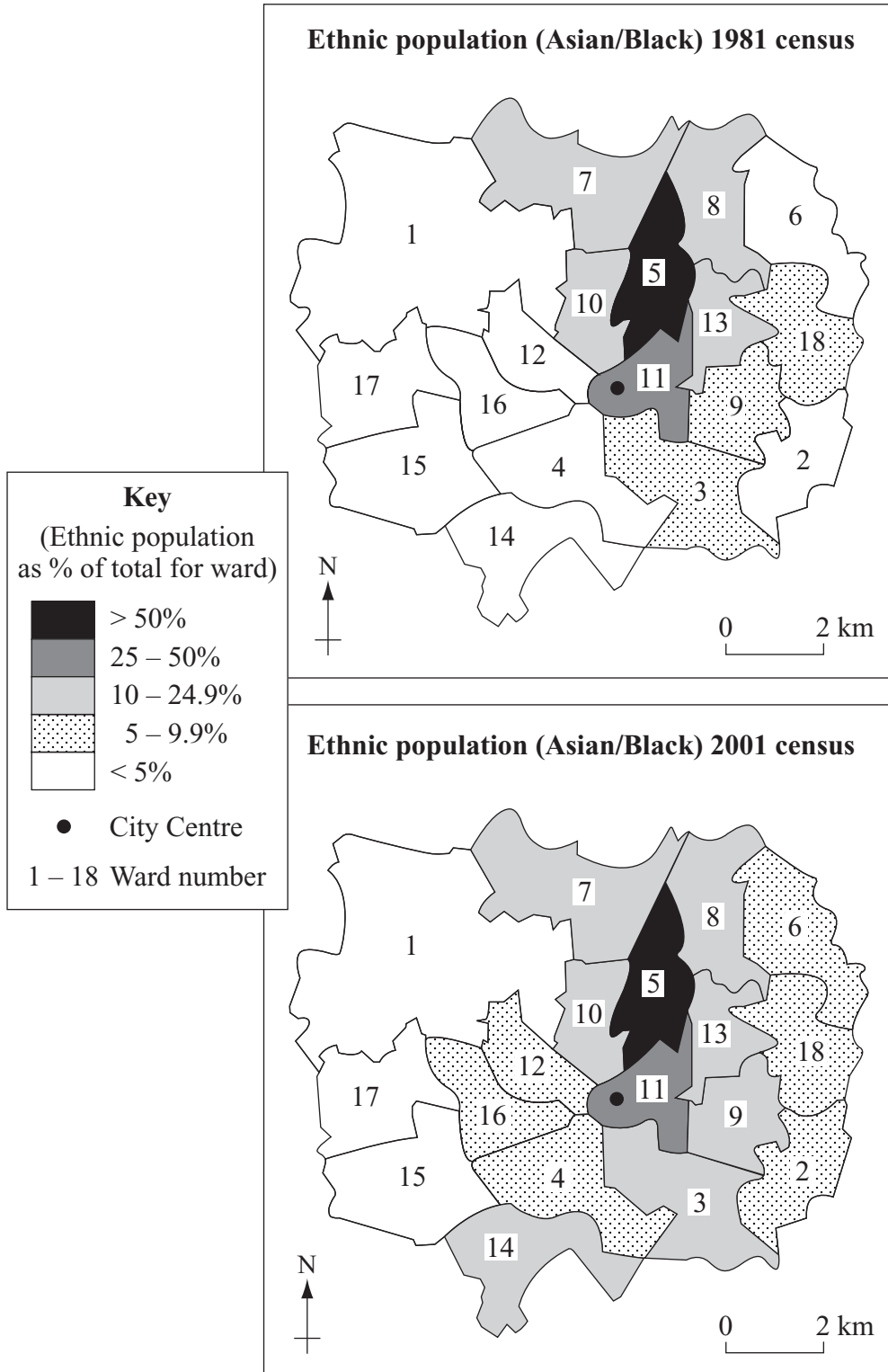
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Total for this question: 16 marks

4 (a) Study **Figure 2** which is based on census data for a large urban area.

**Figure 2**



(i) Describe the pattern shown for 1981.

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*(4 marks)*

(ii) Describe and suggest reasons for the pattern shown for 2001.

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*(7 marks)*

**Question 4 continues on the next page**

**Turn over ►**

(b) With reference to **either** home-working **or** part-time employment **or** self-employment, suggest reasons that have led to an increase in the selected form of employment in the last 30 years.

Selected form of employment .....

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(5 marks)

**END OF QUESTIONS**

QUESTION  
NUMBER

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Area with horizontal dotted lines for writing.

Turn over ►

QUESTION  
NUMBER

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QUESTION  
NUMBER

Write the question number in the left-hand margin.

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**There are no questions printed on this page**

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Question 3 Figure 1: *The State of Food Insecurity in the World 2003*, The Food and Agricultural Organization of the United Nations, 2003.

Question 4 Figure 2: [www.statistics.gov.uk](http://www.statistics.gov.uk) Crown copyright material is reproduced with the permission of the Controller of HMSO and the Queen's Printer for Scotland.

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