

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

For Examiner's Use

General Certificate of Education
January 2008
Advanced Level Examination



GEOGRAPHY (SPECIFICATION A)
Unit 5 Challenge and Change in the Human Environment

GGA5

Wednesday 23 January 2008 1.30 pm to 3.00 pm

You will need no other materials.
You may use a calculator.

Time allowed: 1 hour 30 minutes

Instructions

- Use blue or black ink or ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **three** questions in the spaces provided: **two** from **Section A** and **one** from **Section B**.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 90.
- Each question in Section A is worth 15 marks.
- Each question in Section B will be marked out of 30 and multiplied by 2 to give a mark out of 60.
- The marks for questions are shown in brackets.
- Section B of this unit assesses your understanding of the relationship between the different aspects of Geography.
- You are expected to use a calculator where appropriate.
- All questions should be answered in continuous prose where appropriate. 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.

Advice

- Where appropriate, sketch maps and diagrams should be used to illustrate answers and reference made to regional examples and case studies.
- You are advised to spend about 30 minutes on Section A and about 60 minutes on Section B.

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Question	Mark	Question	Mark
1		4	
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Total (Column 1) →			
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SECTION A

Answer **two** questions from this section.

1 POPULATION PRESSURE AND RESOURCE MANAGEMENT

Total for this question: 15 marks

Study **Figure 1** which compares natural increase in population with GDP per capita in selected countries in the MEDW and LEDW in 2006.

Figure 1

MEDW			LEDW		
Country	Natural increase (%)	GDP per capita US (\$)	Country	Natural increase (%)	GDP per capita US (\$)
Australia	0.85	32 900	Algeria	1.22	7 700
Canada	0.88	35 200	Bangladesh	2.09	2 200
France	0.35	30 100	Brazil	1.04	8 600
Germany	−0.02	31 400	China	0.59	7 600
Japan	0.02	33 100	Congo	3.07	700
UK	0.28	31 400	Ethiopia	2.31	1 000
USA	0.91	43 500	India	1.38	3 700

- (a) Describe the relationship between natural increase and GDP per capita shown in **Figure 1**.

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(4 marks)

- (b) Suggest reasons for the levels of natural increase in MEDW countries shown in **Figure 1**.

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(4 marks)

- (c) With reference to specific examples in the LEDW, analyse the impacts of high rates of natural population increase.

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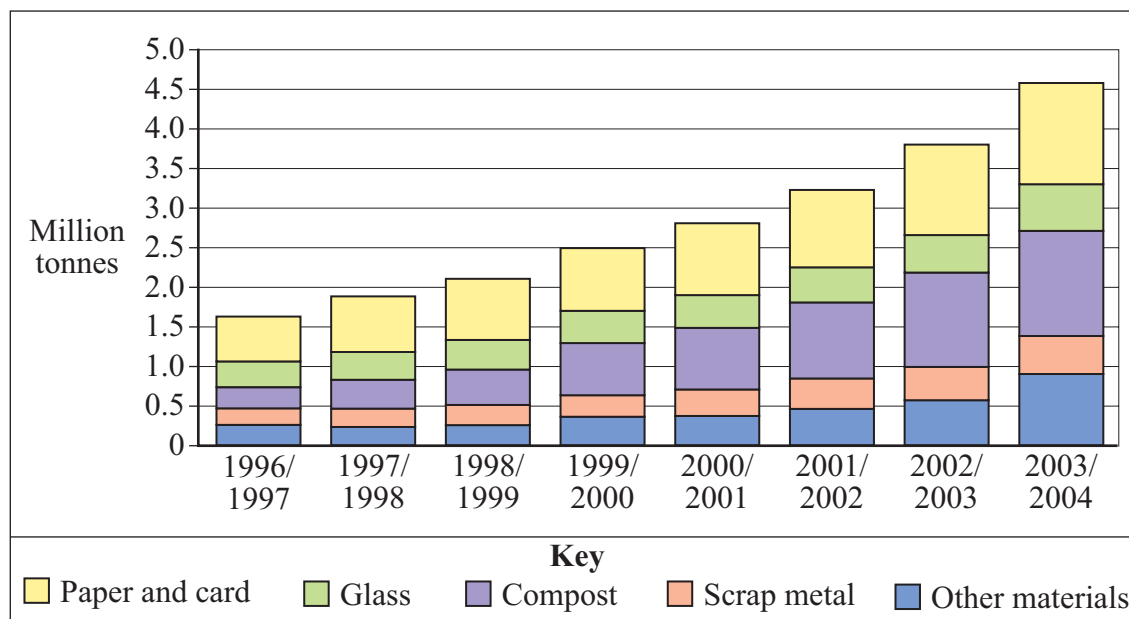
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2 MANAGING CITIES – CHALLENGES AND ISSUES

Total for this question: 15 marks

Study **Figure 2**, a compound bar graph showing changes in household waste recycling between 1996 and 2004 in England.

Figure 2



(a) Describe the trends shown in **Figure 2**.

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(4 marks)

- (b) Outline problems associated with the use of landfill sites as a means of waste disposal.

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(4 marks)

- (c) Discuss the issues which arise in the use of incineration as a method of waste management.

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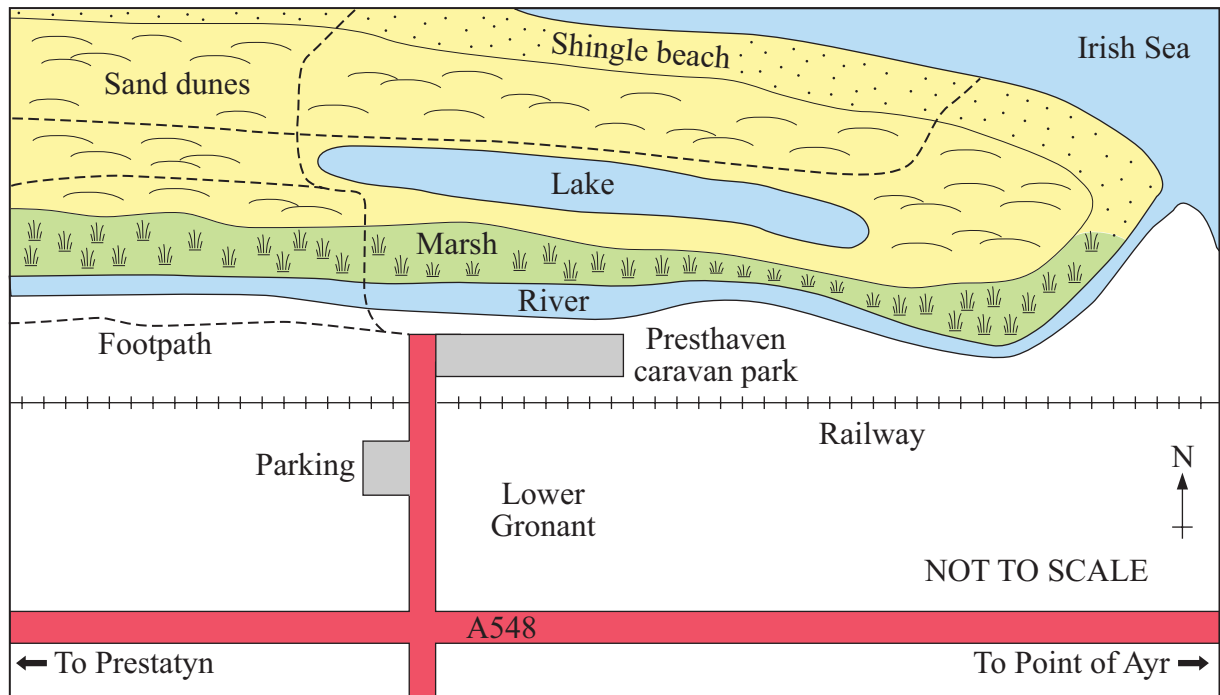
(7 marks)

3 RECREATION AND TOURISM

Total for this question: 15 marks

Study **Figure 3**, a simplified sketch map of Gronant, a small coastal resort in North Wales.

Figure 3



- (a) Distinguish between the primary and secondary resources shown in **Figure 3**.

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(4 marks)

- (b) Why are resorts in the MEDW becoming increasingly dependent upon secondary resources as the key attraction for tourists?

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(4 marks)

- (c) With reference to **one or more** examples, evaluate the environmental impact of tourism.

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(7 marks)

SECTION B

Answer **one** question from this section.

Total for this question: 30 marks

Note to Candidate

You should bear in mind that Essay Questions 4, 5 and 6 are synoptic in nature. In your response to these questions, you are required to show your knowledge and understanding of different aspects of geography, the connections between these different aspects and, where relevant, of human perspectives upon geographical themes and issues.

- 4** Population policies are the only means by which the population–resource relationship can be brought into balance. Discuss.
(30 marks)
- 5** People who live in cities experience the same problems irrespective of location. To what extent do you agree with this view?
(30 marks)
- 6** Capacity is the most important issue affecting the development of tourism around the world. To what extent do you agree with this view?
(30 marks)

END OF QUESTIONS

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Question 1 Figure 1: Central Intelligence Agency

Question 2 Figure 2: *The Environment in your Pocket*, DEFRA, 2005. Crown copyright material is reproduced with the permission of the Controller of HMSO and the Queen's Printer for Scotland.

Question 3 Figure 3: Richard Smith (www.deeestuary.co.uk)