

Centre No.						Paper Reference	Surname	Initial(s)
Candidate No.					6 4 7 2 / 0 1		Signature	

Paper Reference(s)

6472/01

Examiner's use only

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Team Leader's use only

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Question Number	Leave Blank
1	
2	
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Edexcel GCE

Geography B

Advanced Subsidiary

Unit 2: Managing Change in Human Environments

Friday 25 May 2007 – Afternoon

Time: 1 hour 30 minutes

Materials required for examination
Nil

Items included with question papers
Resource Booklet

Instructions to Candidates

In the boxes above, write your centre number, candidate number, your surname, initials and signature. Check that you have the correct question paper.

Answer **THREE** questions in the spaces provided in this question paper. You **MUST** write within the black margins.

Indicate which question you are answering by marking the box ().

If you change your mind, put a line through the box () and then indicate your new question with a cross ().

Do not return the Resource Booklet with the question paper.

Information for Candidates

The marks for individual questions and the parts of questions are shown in round brackets: e.g. (2).

There are 5 questions in this question paper. You should only answer three.

The total mark for this paper is 90.

There are 24 pages in this question paper. Any blank pages are indicated.

Advice to Candidates

Quality of written communication will be assessed in the extended writing questions.

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Answer THREE questions.

If you answer Question 1 put a cross in this box .

1. (a) Study Figure 1 on page 2 in the Resource Booklet. It shows a farming area in Canada in 1970 and 2005.

- (i) In 1970 it was an area of **mixed commercial farming**.

Explain the meaning of this term.

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(2)

- (ii) Describe and suggest reasons for the changes in agricultural landuse shown between 1970 and 2005.

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(iii) Describe and suggest reasons for the changes to the **settlement pattern** that occurred between 1970 and 2005.

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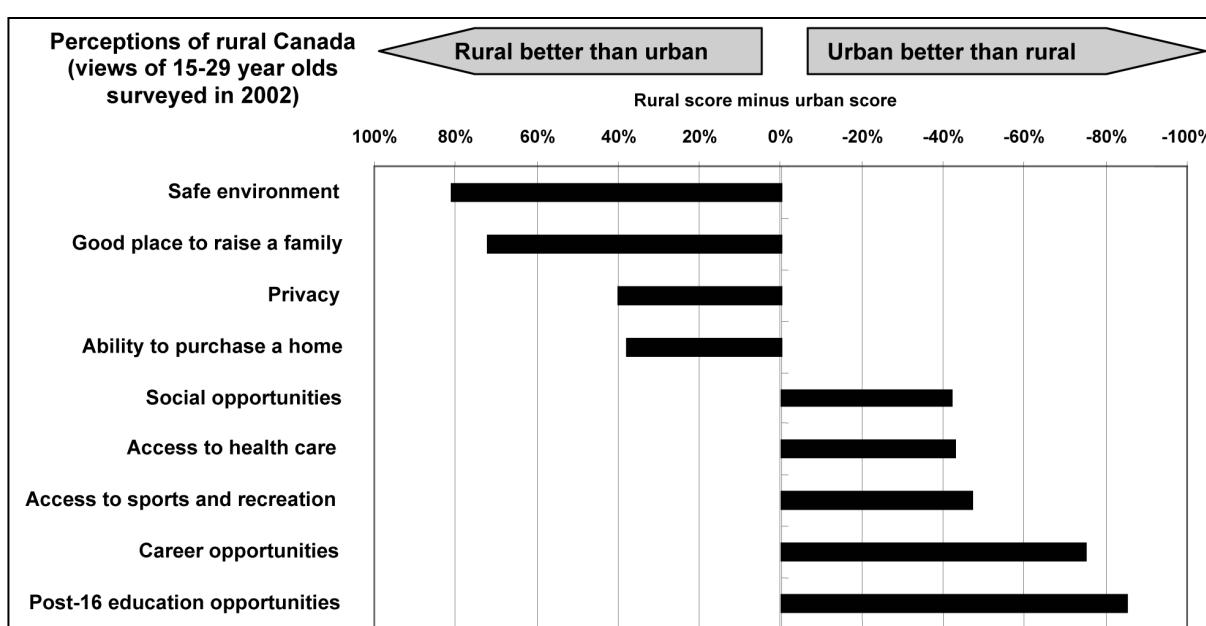
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(b) The graph below shows the results of a survey of young people in rural Canada.



(Source: adapted from *Rural Youth Migration 2002*, Canadian Rural Partnership, Government of Canada)

(i) Describe and suggest reasons for the perceptions shown in the graph.

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- (ii) Using examples, suggest how the negative perceptions of rural areas shown in the graph might be improved.

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(c) With reference to examples of rural areas, examine how decision makers have managed the **problems** resulting from **one** of the following:

- the development of recreation and tourism
- the extraction of resources
- intensive agriculture.

Choice

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	Q1



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If you answer Question 2 put a cross in this box .

2. (a) Study Figure 2 on page 3 in the Resource Booklet. This shows the pattern of food shortages in rural Sudan, 2003.

- (i) The majority of farmers in LEDCs such as Sudan are **subsistence farmers**.

Define this term.

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- (ii) Using data from Figure 2, describe the pattern of food shortages in rural Sudan in 2003.

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- (iii) Suggest how civil war and refugee migration may have contributed to the food shortages shown in Figure 2.

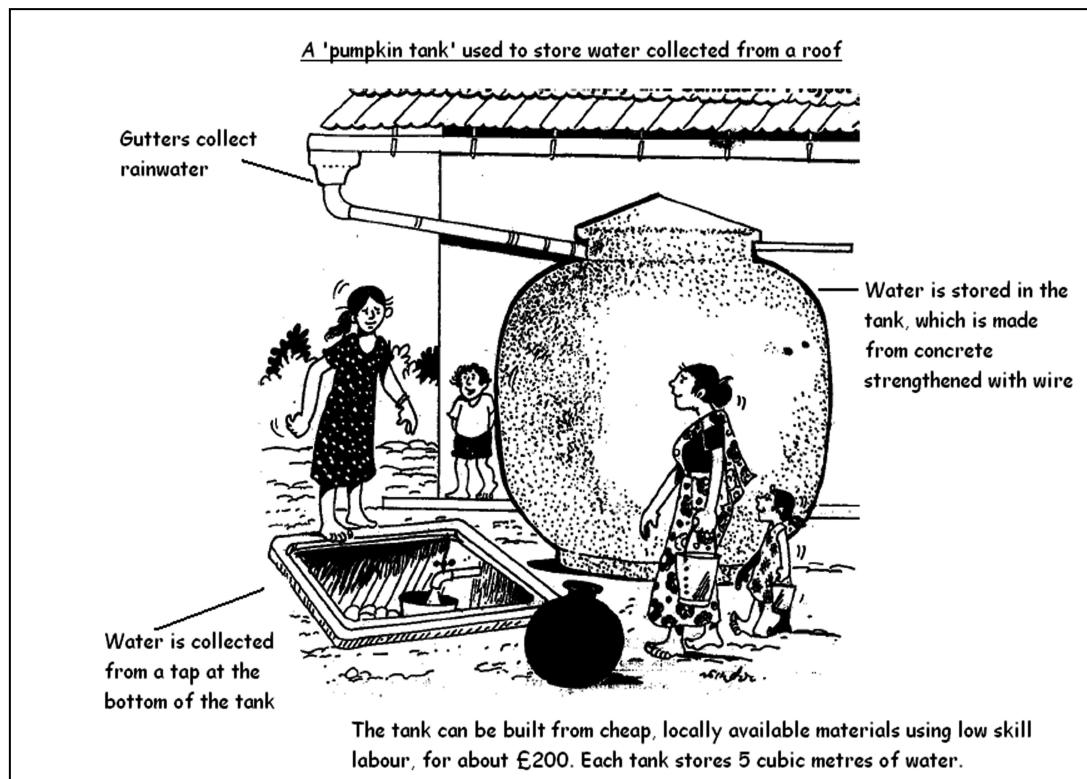
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- (b) Study the drawing below. It is about an LEDC rural development project for collecting and storing rainwater.



(Source: adapted from 'Rainwater Harvesting', Practical Action)

- (i) The strategy shown above is an example of **sustainable rural development**.

With reference to the drawing, explain what this means.

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- (ii) Using examples, suggest how improvements in **water supply** may have a positive impact on the lives of the rural poor in LEDCs.

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- (c) Referring to **any** named rural areas, examine the factors causing **either** an increase **or** a decrease in population.

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If you answer Question 3 put a cross in this box .

3. Study Figure 3 on page 4 in the Resource Booklet. It is a map of Sao Paulo, Brasil.

- (a) (i) Sao Paulo is described as a **mega-city**.

Explain this term.

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- (ii) Describe and suggest reasons for the distribution of low income housing in Sao Paulo.

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- (iii) Define the term **urban sprawl**.

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<p>(iv) Briefly state the likely impacts that urban sprawl is having on rural areas close to Sao Paulo.</p> <p>.....</p>	(4)
<p>(b) The wealthy suburb of Alphaville is shown on Figure 3.</p> <p>(i) Give reasons why some wealthy residents may have chosen to live on the edge of Sao Paulo.</p> <p>.....</p>	(4)
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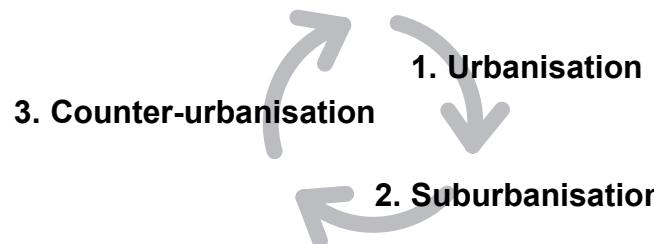
- (ii) Alphaville is a planned ‘**gated community**’ with its own security force and restricted access.

Outline the **disadvantages** of living in such a community.

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- (c) Show how the cycle of urbanisation below can be applied to urban areas you have studied.



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(Total 30 marks)	



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If you answer Question 4 put a cross in this box .

4. (a) Study Figure 4 on page 5 in the Resource Booklet. It shows some sustainable city initiatives.

- (i) Define the term **sustainable city**.

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(2)

- (ii) Using Figure 4 and your own knowledge, suggest how cities might “*lead the way to a greener world*” in terms of:

1. managing urban transport

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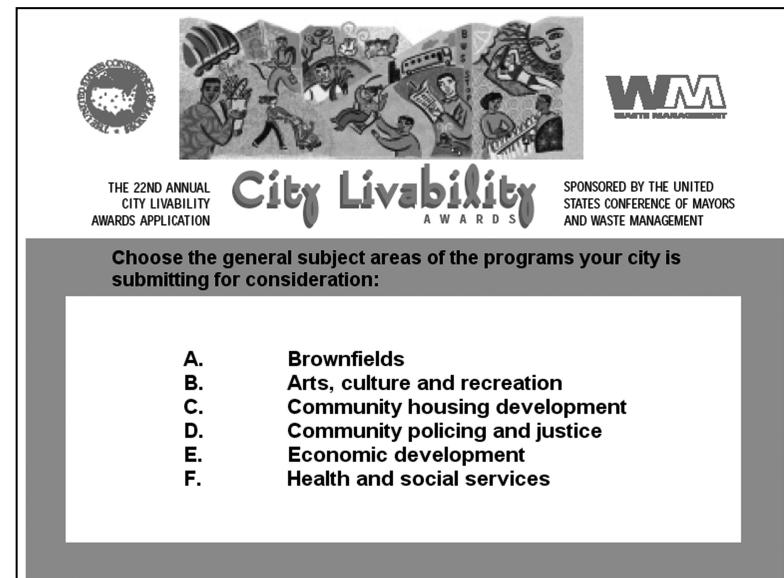
2. reducing urban waste

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- (b) Study the image below. It shows part of an application form for the US ‘City Livability Awards’.



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(Source: adapted from The US Conference of Mayors)

- (i) Choose **two** of the subject areas A–F above and for **each one**, explain how it may help make the city more ‘liveable’.

Choice

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Choice

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- (ii) Outline some possible benefits for a city that wins a ‘**city livability award**’.

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- (c) With reference to named LEDC cities, assess the success of schemes designed to improve living conditions in urban areas.

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If you answer Question 5 put a cross in this box .

5. Study Figure 5 on page 6 in the Resource Booklet. It shows two photographs of Cardiff, Wales.

- (a) (i) Although the site shown in Photograph A is derelict, it has a **high land value**.

Explain why this is so.

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- (ii) Outline a programme of fieldwork you could undertake to investigate the environmental quality of the type of urban area shown in Photograph A.

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<p>(iii) Suggest and justify a new use for this site once the derelict building has been demolished.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p style="text-align: right;">(3)</p> <p>(b) (i) Identify the evidence in Photograph B that suggests this area is part of a CBD regeneration scheme.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p style="text-align: right;">(4)</p>	Leave blank
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- (ii) Outline the environmental and economic benefits of urban regeneration.

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- (c) Despite regeneration, some CBDs are still struggling to attract business whilst out of town complexes are thriving.

Using examples, explain why this is happening.

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TOTAL FOR PAPER: 90 MARKS	
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Q5	



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