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General Certificate of Secondary Education  
June 2006

**GEOGRAPHY C**  
**(SHORT COURSE SPECIFICATION)**  
**Foundation Tier**  
**Written paper**

**3038/F**



Monday 5 June 2006 9 am to 10.15 am

<p><b>You will need no other materials.</b> You may use a calculator.</p>
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Time allowed: 1 hour 15 minutes

**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.

**Information**

- The maximum mark for this paper is 60.
- The marks for questions are shown in brackets.
- 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.
- LEDC is a Less Economically Developed Country.
- MEDC is a More Economically Developed Country.

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

Answer **all** questions.

**Total for this question: 36 marks**

**1 MANAGING CHANGE IN THE HUMAN ENVIRONMENT**

- (a) Study **Figure 1**, ‘Pollution problems in Los Angeles’.

**Figure 1**

**POLLUTION PROBLEMS IN LOS ANGELES**

Los Angeles lies between the Rocky Mountains and the Pacific Ocean, on the west coast of California. It is a sprawling city of 14 million people. At certain times of the year, smoke and fumes from factories and vehicles get trapped under warm air and form photochemical smog. This can be seen as a grey-green haze over the city and can affect people and buildings.

- (i) Give two causes of pollution in Los Angeles mentioned in **Figure 1**.

1 .....

2 .....

*(2 marks)*

- (ii) Using **Figure 1** to help you, describe the problems caused by pollution in MEDC cities such as Los Angeles.

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*(4 marks)*

(b) Complete the table below by writing the correct term next to each definition.

**Pedestrianisation**                      **Redevelopment**                      **Central Business District**

TERM	DEFINITION
	Removing or upgrading old buildings to provide new facilities.
	Part of a town or city where most of the large shops, services and offices are found.
	The separation of people and traffic.

(2 marks)

(c) What are the advantages of living in the central area of a town or city?

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(4 marks)

**Question 1 continues on the next page**

- (d) Study **Figure 2**, an advertisement for Nerrols Court, a new housing estate in the rural-urban fringe.

**Figure 2**

**Figure 2**, an advertisement for Nerrols Court, has not been reproduced here due to third-party copyright constraints.

- (i) Nerrols Court is on the outskirts of which town?

.....  
(1 mark)

- (ii) What is meant by the 'rural-urban fringe'?

.....  
(1 mark)

(iii) Living in the rural-urban fringe has the advantages of both the town and the countryside. Use **Figure 2** to explain this statement.

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*(4 marks)*

(iv) Why might the growth of large housing estates in the rural-urban fringe cause an increase in traffic problems?

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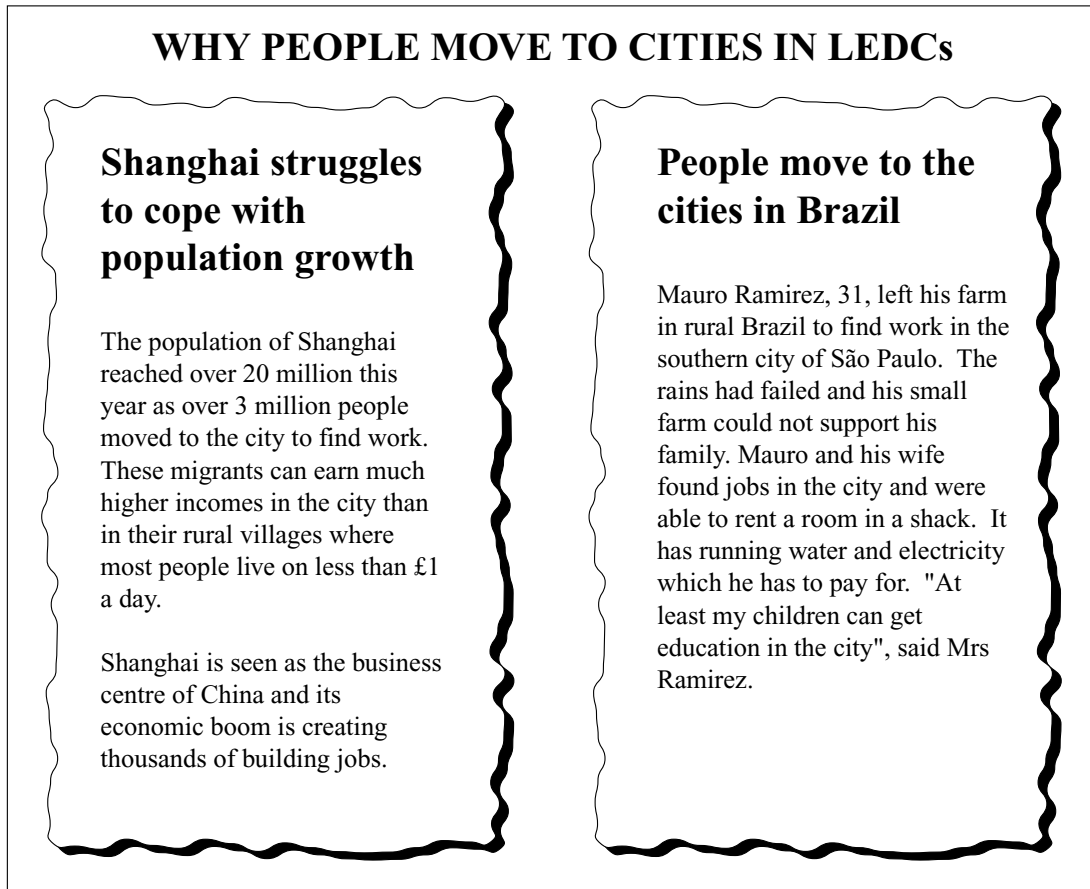
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*(4 marks)*

**Question 1 continues on the next page**

(e) Study **Figure 3**, ‘Why people move to cities in LEDCs’.

**Figure 3**



(i) The reasons people move to cities in LEDCs are often described as ‘push’ factors or ‘pull’ factors.

Using **Figure 3**, explain what is meant by a:

PUSH FACTOR .....

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PULL FACTOR .....

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*(4 marks)*

(ii) Study **Figure 4**, photographs of poor housing areas in LEDC cities.

**Figure 4**



How might the conditions shown in the photographs affect people's quality of life?

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*(4 marks)*

**Question 1 continues on the next page**

- (f) Kolkata (formerly Calcutta) is an LEDC city in the north-east of India. The city has a population of 15 million, of which a third live in slums or on the streets. Nearly 30% of the population have no access to clean water or toilets.

The Kolkata Municipal Authority has identified three main problems in the city.

**A. Environmental health problems linked to the lack of clean water and sewers.**

**B. Large numbers of people living on the streets or in slums.**

**C. General problems of air and water pollution from industrial activity.**

The Authority has suggested two projects to try and improve conditions for the people in Kolkata. These are described in **Figure 5**.

Study **Figure 5**, the Project File.

**Figure 5**

## PROJECT FILE

**Project 1**

Repair leaks and breaks in the water pipes to areas that have access to water and extend the water system into the largest slum areas. Build water treatment plants in the main industrial areas.

**Project 2**

Provide low cost housing for the people who live on the streets and put toilets in the houses that do not have them. Extend the water treatment system in the city and encourage both households and industry to burn less coal.



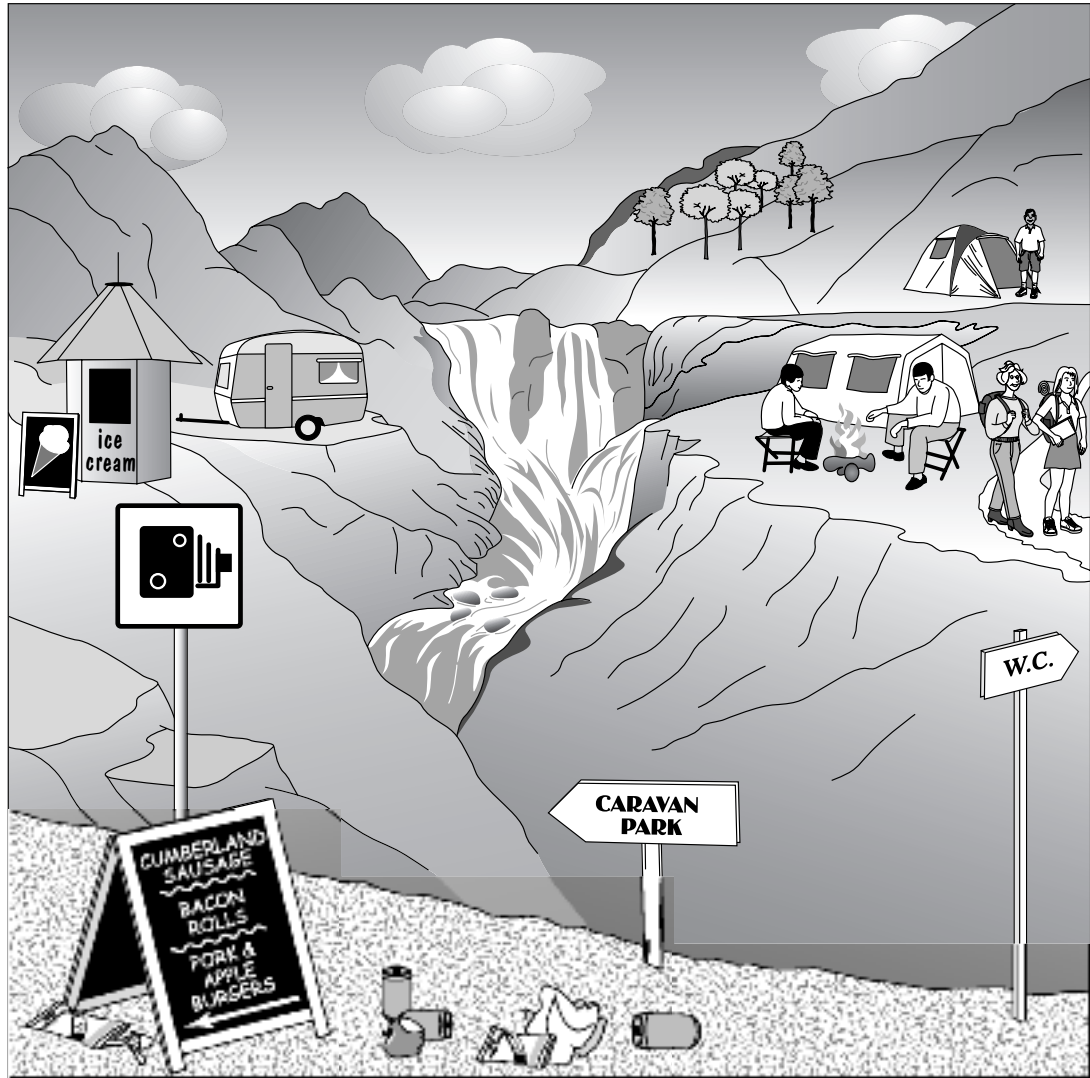


Total for this question: 12 marks

2 MANAGING THE PHYSICAL ENVIRONMENT

(a) Study **Figure 6**, a cartoon about a National Park in England.

**Figure 6**



(i) Suggest **two** reasons why the physical environment in **Figure 6** might attract people.

1 .....

2 .....

(2 marks)

(ii) Using **Figure 6** to help you, explain the effects of increased tourist pressure on the physical environment.

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*(4 marks)*

(b) (i) Give **two** reasons why the number of people visiting National Parks has increased in the past 50 years.

1 .....

2 .....

*(2 marks)*

(ii) How could traffic problems be reduced in popular tourist areas?

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*(4 marks)*

**Turn over for the next question**

**Total for this question: 12 marks**

**3 MANAGING ECONOMIC DEVELOPMENT**

- (a) Study **Figure 7** which shows some of the problems that might be caused by global warming.

**Figure 7**

**Figure 7**, a diagram of the globe showing problems that might be caused by global warming, has not been reproduced here due to third-party copyright constraints.

Which country will be affected by:

An increase in sea level? .....

A decrease in rainfall? .....

An increase in temperature? .....

*(3 marks)*

- (b) Complete the following sentences by putting in the correct words from the following list.

**pollution                      sunburn                      aerosols                      gas**

Ozone is a layer of ..... which protects us from the damaging effects of the sun. There is concern that parts of the ozone layer are breaking down due to increasing levels of ..... , especially the use of ..... . This may result in growing problems of skin cancer, ..... and eye damage.

(3 marks)

- (c) Complete the table by writing the correct term next to each definition.

**Pressure Group                      Sustainable Development                      Deforestation**

TERM	DEFINITION
	The removal of large areas of forest
	People who raise awareness about environmental concerns
	Increasing wealth without harming the environment

(2 marks)

- (d) Explain how the use of new technology in industries such as power generation or transport could reduce pollution levels.

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(4 marks)

**END OF QUESTIONS**

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