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General Certificate of Secondary Education  
June 2003



**GEOGRAPHY (SPECIFICATION B) (SHORT COURSE)**  
**FOUNDATION TIER** **3037F**

**Written Paper**

Monday 2 June 2003 Morning Session

**F**

**In addition to this paper you will require:**

- the Ordnance Survey map extract;

You may use a calculator.

The map extract (showing the Edinburgh region from Landranger 66) and several of the figures are not reproduced in this question paper due to third-party copyright constraints. The full copy of this paper can be obtained by ordering 3037/F from AQA Publications - Tel: 0161 953 1170.

Time allowed: 1 hour 15 minutes

**Instructions**

- Use blue or black ink for written answers. 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 rough work in this booklet. Cross through any work you do not want marked.

**Information**

- The maximum mark for this paper is 70.
- Mark allocations are shown in brackets.
- 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.
- An LEDC is a Less Economically Developed Country.
- An MEDC is a More Economically Developed Country.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

**SECTION A – THE UNITED KINGDOM**Answer **all** questions.**1****Total for this question: 3 marks**Tick **one** box to show the correct answer.

(a) A process of glacial erosion is

- A suspension.  
B plucking.  
C hydraulic erosion.

A B C *(1 mark)*

(b) A corrie has a

- A steep back wall.  
B ribbon lake in it.  
C long thin shape.

A B C *(1 mark)*

(c) The land in a National Park is

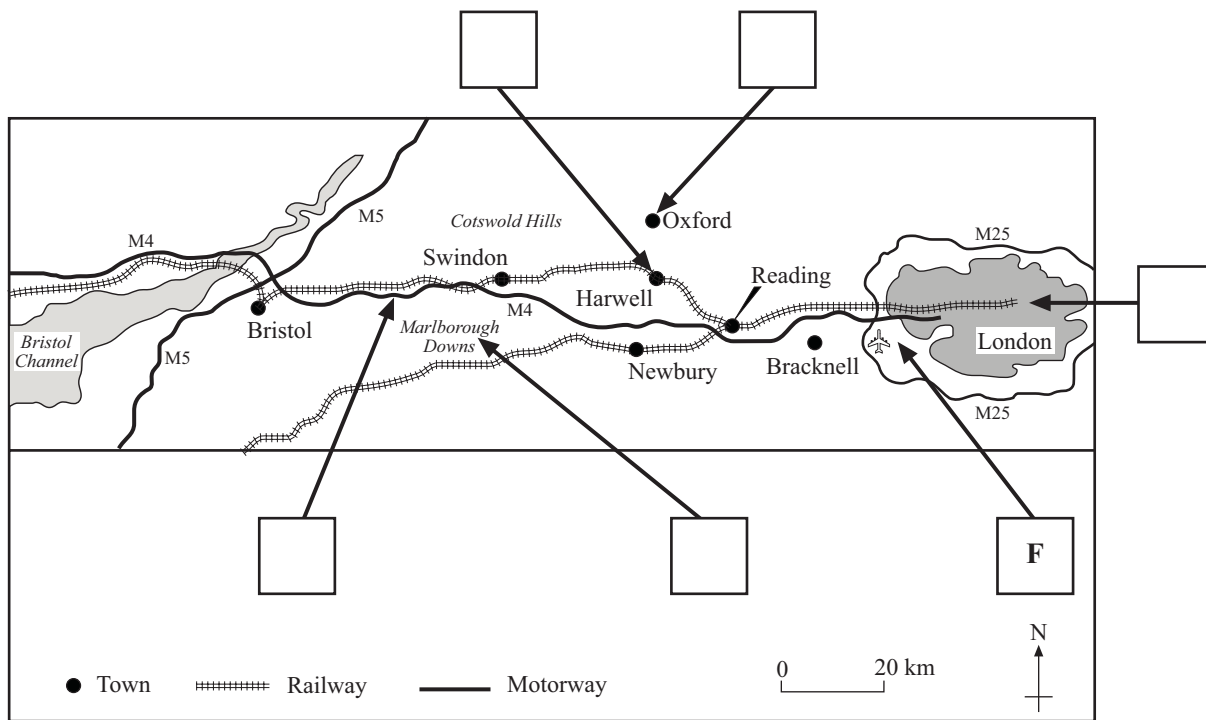
- A not allowed to be built upon.  
B only used for tourism.  
C protected because of its beauty.

A B C *(1 mark)*

2

Total for this question: 4 marks

Study **Figure 1** which shows a sketch map of the M4 corridor.



**Figure 1**

The following are reasons why high-tech industry developed in this area.

<b>A</b>	Close to London where there are banks which will invest in high-tech industries
<b>B</b>	Close to universities where there are well trained scientists doing research
<b>C</b>	Close to centres of atomic energy research
<b>D</b>	Fast road transport giving good access to London
<b>E</b>	A pollution-free area close to pleasant countryside where people will like to live
<b>F</b>	Close to an international airport as many high-tech firms have their headquarters overseas

There are **six** arrows marked on the map.

Write the correct letter **A, B, C, D** or **E** in the box on **Figure 1** to show a reason for the development of high-tech industries in the M4 corridor. **F** has been done for you.

(4 marks)

4

**TURN OVER FOR THE NEXT QUESTION**

Turn over ►

3

**Total for this question: 12 marks**

Study **Figure 2**, the Ordnance Survey map extract showing the city of Edinburgh in Scotland.

- (a) (i) What sport is played at 288751?

Figure 2 is not included due to third-party copyright constraints.

.....  
(1 mark)

- (ii) What direction is the Royal Observatory at 259706 from grid reference 288751?

.....  
(1 mark)

- (iii) Look at squares 2574 and 1875. The following table describes these two squares.

	Description
<b>A</b>	There is a low density of roads with no distinct pattern. There are many curved roads with cul-de-sacs.
<b>B</b>	This is a heavily built-up area. There are many streets and they form a regular rectangular pattern.

Which description, **A** or **B**, applies to square grid reference 2574?

.....  
(1 mark)

- (iv) Which of these two squares, **A** or **B**, is part of the suburban area of Edinburgh?

.....  
(1 mark)

- (b) (i) Study **Figure 3** which shows the 1991 census figures for the part of Edinburgh known as Central Leith.

% of houses with more than 1.5 people per room	10.8
Average number of rooms per household	2.8
% of households with no hot water	33.6
% of households with no bath	61.1
% of households with no W.C.	8.3
% of households with car	19.2

**Figure 3**

Use these figures to explain why Central Leith is likely to be an area of inner city decline.

.....  
.....  
.....  
.....  
(2 marks)

(ii) Explain how urban renewal could improve the living conditions in an inner city area like Central Leith.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

(4 marks)

(c) Study **Figure 4** which shows what is happening to commuter villages around large cities like Edinburgh.

Figure 4 is not reproduced here due to third-party copyright constraints.

Explain why there has been an increase in the number of people living in commuter villages around large cities.

.....  
.....  
.....  
.....

(2 marks)

## SECTION B – EUROPEAN UNION

Answer **all** questions.

4

Total for this question: 4 marks

Study **Figure 5** which shows the difference in wealth between different parts of some EU countries.

Figure 5 is not reproduced here due to third-party copyright constraints.

□

- (a) Which country shows the biggest difference between its richest and poorest parts?

.....  
(1 mark)

- (b) The richest parts of these EU countries are part of the ‘core’.  
Core regions have certain features.

In the table below, tick those features which are characteristic of a core region.

Features of a core region	
Contains a country’s major cities	
Not many people live there	
The region attracts little investment	
The region has an above average level of economic development	

(2 marks)

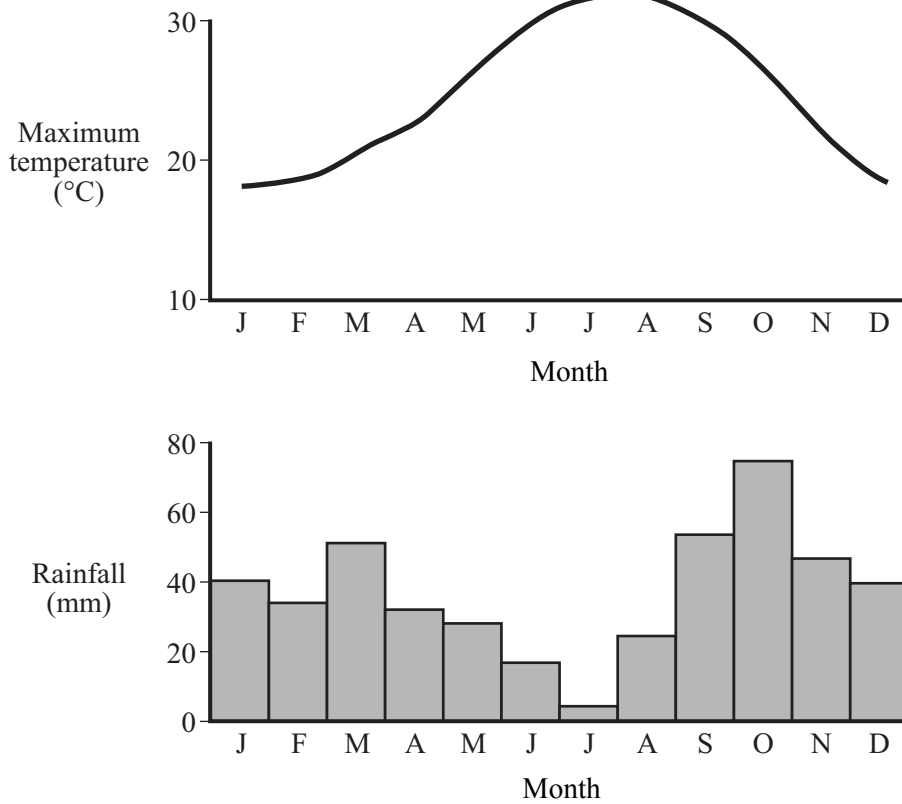
- (c) Name **one** area in the periphery of the European Union.

.....  
(1 mark)

5

Total for this question: 3 marks

Study **Figure 6** which shows the temperature and rainfall of the Balearic Islands in Mediterranean Spain.



**Figure 6**

(a) Name **one** of the Balearic Islands.

.....  
(1 mark)

(b) Use **Figure 6** to explain why the temperature and the rainfall pattern attracts visitors from Northern Europe to the Balearic Islands.

Temperature

.....  
.....

Rainfall pattern

.....  
.....

(2 marks)

3

Turn over ▶

6

Total for this question: 10 marks

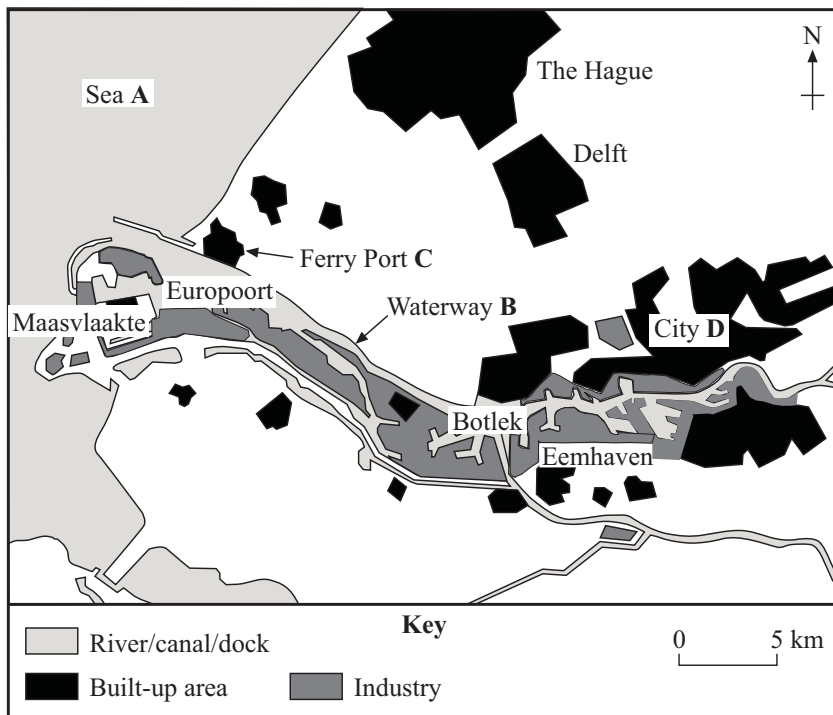
(a) **Figure 7** shows maps of four conurbations in Europe.

Choose the conurbation that you have studied.

Name of conurbation .....

**EITHER**

**Rotterdam – Europoort**



**Figure 7A**

Name the:

Sea A .....

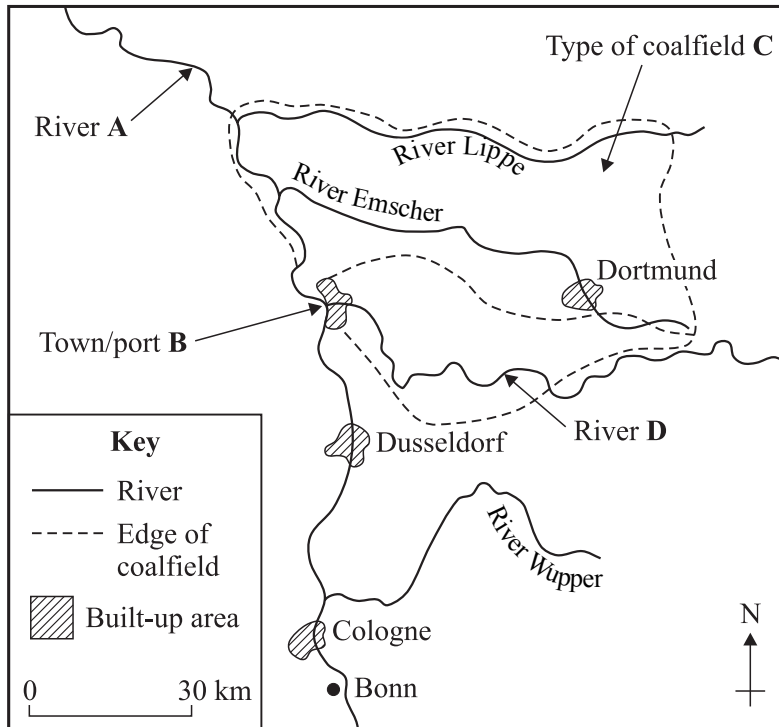
Waterway B .....

Ferry Port C .....

City D .....



**OR The Ruhr Conurbation**



**Figure 7B**

Name the:

River A .....

Town/Port B .....

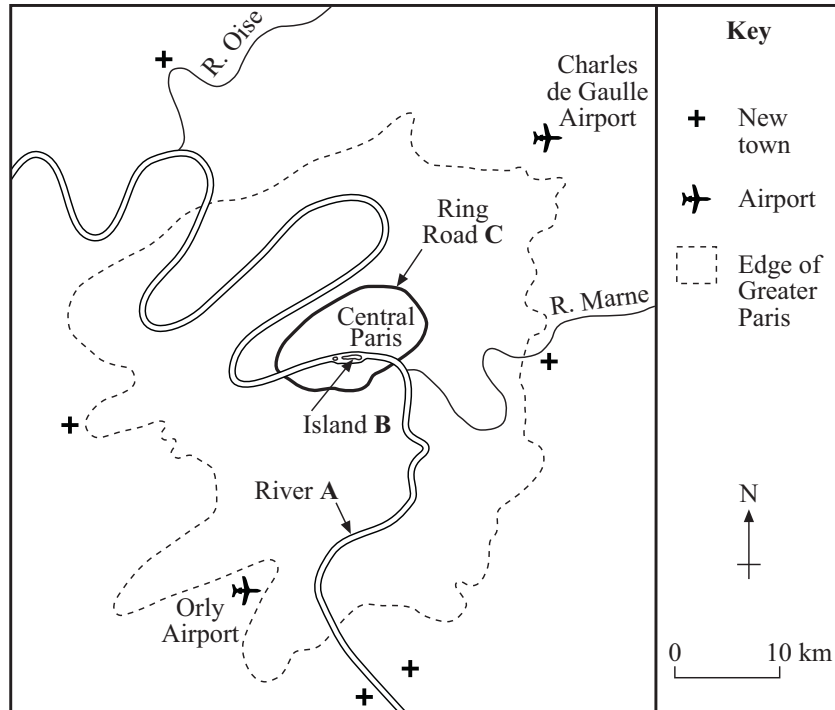
Type of coalfield C .....

River D .....

**QUESTION 6 CONTINUES ON THE NEXT PAGE**

**Turn over ▶**

**OR The Paris Region**



**Figure 7C**

Name the:

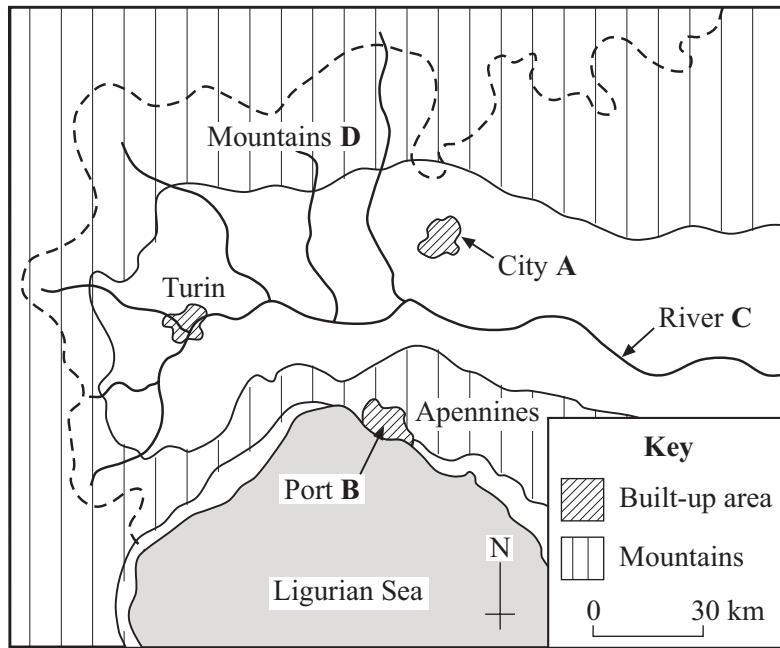
River A .....

Island B .....

Ring Road C .....

One of the New Towns marked .....

**OR The Milan/Turin/Genoa Industrial Triangle**



**Figure 7D**

Name the:

City A .....

Port B .....

River C .....

Mountains D .....

*(4 marks)*

**QUESTION 6 CONTINUES ON THE NEXT PAGE**

**Turn over ▶**

(b) Explain the growth of your chosen conurbation.

.....

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.....

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.....

.....

.....

.....

.....

*(4 marks)*

(c) Describe a planning issue that has arisen in your chosen conurbation.

.....

.....

.....

.....

*(2 marks)*

10

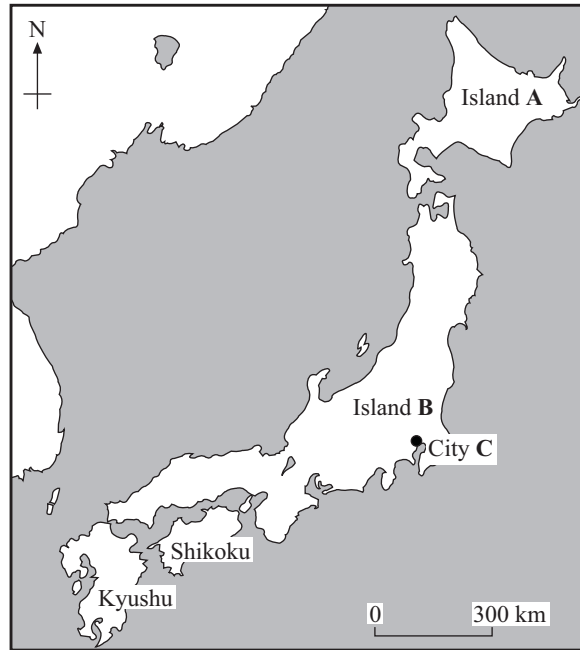
**SECTION C – THE WIDER WORLD**

Answer **all** questions.

7

**Total for this question: 3 marks**

Study **Figure 8** which shows a map of Japan.



**Figure 8**

Name the following:

Island A .....

Island B .....

City C .....

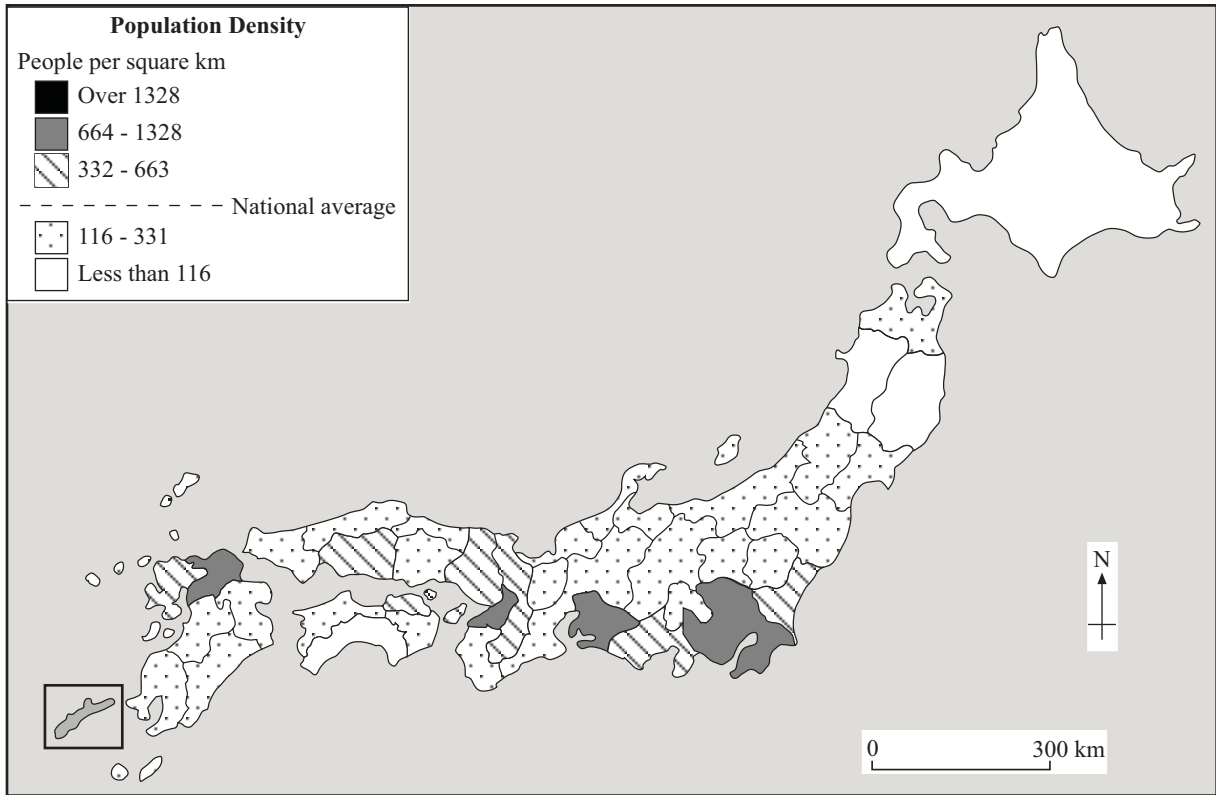
*(3 marks)*

3

8

Total for this question: 4 marks

Study **Figure 9** which shows the population density in Japan.



**Figure 9**

Explain the distribution of population as shown on **Figure 9** using the following headings:

Relief

.....

.....

.....

.....

Japan's need to trade with other countries

.....

.....

.....

.....

(4 marks)

4

Turn over ▶

9

**Total for this question: 10 marks**

The Ganges Delta is an important area for subsistence rice farming.

- (a) (i) Which of the following types of climate is suitable for growing rice in the Ganges Delta?  
Circle the correct answer.

**Mediterranean**

**Tropical Monsoon**

**Equatorial**

*(1 mark)*

- (ii) Give **one** fact about this climate that makes it suitable for growing rice.

.....

.....

*(1 mark)*

- (b) Study **Figure 10** which shows the effect of the Green Revolution on a rice farmer in the Ganges Delta.

Figure 10 is not reproduced here due to third-party copyright constraints.

(i) Which **two** statements in **Figure 10A** suggest that the farmer is a subsistence farmer?

Write the correct numbers in the boxes below.

(2 marks)

(ii) Suggest why the farmer in **Figure 10A** is likely to be poor.

.....  
.....  
.....  
.....

(2 marks)

(iii) Explain how the Green Revolution has changed people's lives in the Ganges Delta.

.....  
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(4 marks)

10

**TURN OVER FOR THE NEXT QUESTION**

**Turn over ▶**



**SECTION D – GLOBAL ISSUES**

Answer **all** questions.

**10**

**Total for this question: 9 marks**

(a) (i) What is meant by the greenhouse effect?

.....

.....

.....

.....

*(2 marks)*

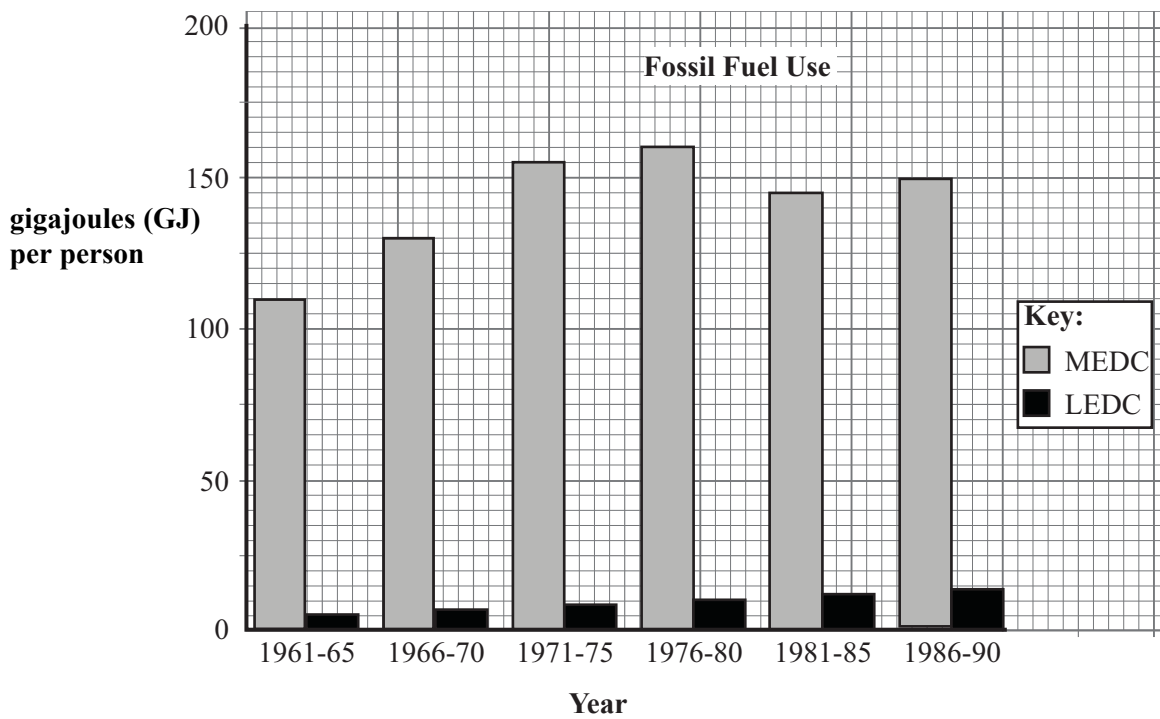
(ii) Name **one** part of the UK and **one** area in another part of the world, which are likely to suffer because of global warming.

UK .....

Other part of the world .....

*(2 marks)*

(b) Study **Figure 11** which shows the use of fossil fuels by MEDCs and LEDCs.



**Figure 11**

(i) How much fossil fuel was used by MEDCs between 1986 and 1990?

.....  
(1 mark)

(ii) What happened to the amount of fossil fuels used by LEDCs and MEDCs between 1961 and 1990?

LEDCs .....

MEDCs .....

(2 marks)

(iii) Explain why the burning of fossil fuels is not sustainable.

.....  
.....  
.....  
.....  
(2 marks)

9

**TURN OVER FOR THE NEXT QUESTION**

**Turn over ▶**

11

Total for this question: 8 marks

(a) **Figure 12** shows some of the types of aid from MEDCs to LEDCs.

Short-term aid	Long-term aid
Food	Education
Blankets and tents	Training
Lorries	Transport improvement
Medicines	Money for development projects
Clothing	
Water tankers	

**Figure 12**

(i) Explain the meaning of ‘short-term aid’.

.....  
 .....

(1 mark)

(ii) Give **three** reasons why long-term aid may be more useful to an LEDC.

1 .....

.....

2 .....

.....

3 .....

.....

(3 marks)

(b) Describe **one** development project in an LEDC that you have studied.

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.....

(4 marks)

○  
—  
8

**END OF QUESTIONS**

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Question 10    Figure 11    Digest of UK Energy Studies, HMSO