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General Certificate of Secondary Education  
June 2006



**GEOGRAPHY (SPECIFICATION A)**  
**Paper 2**  
**Foundation Tier**

**3031/2F**

Monday 12 June 2006 1.30 pm to 3.00 pm

**F**

**For this paper you must have:**

- the insert (enclosed).

You may use a calculator.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use blue or black ink or ball-point pen for written answers. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.

**SECTION A** – Answer **ONE** question, **either:** Question 1  
**or** Question 2

**SECTION B** – Answer **ONE** question, **either:** Question 3  
**or** Question 4

**SECTION C** – Answer **ONE** question, **either:** Question 5  
**or** Question 6

- Do all rough work in this book. Cross through any work you do not want marked.
- If you need extra paper, use the Supplementary Answer Sheets.

**Information**

- The maximum mark for this paper is 75.
- The marks for questions are shown in brackets.
- You will be assessed on your ability to:
  - present relevant information in a form and style that suits its purpose;
  - ensure that text is legible and that spelling, punctuation and grammar are accurate;
  - use specialist vocabulary.
- LEDC is a Less Economically Developed Country.
- MEDC is a More Economically Developed Country.

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

**SECTION A**

Answer **ONE** question in this section, **either** Question 1 **or** Question 2.

**1 Population****Total for this question: 25 marks**

- (a) (i) What is the meaning of the term 'birth rate'?

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*(2 marks)*

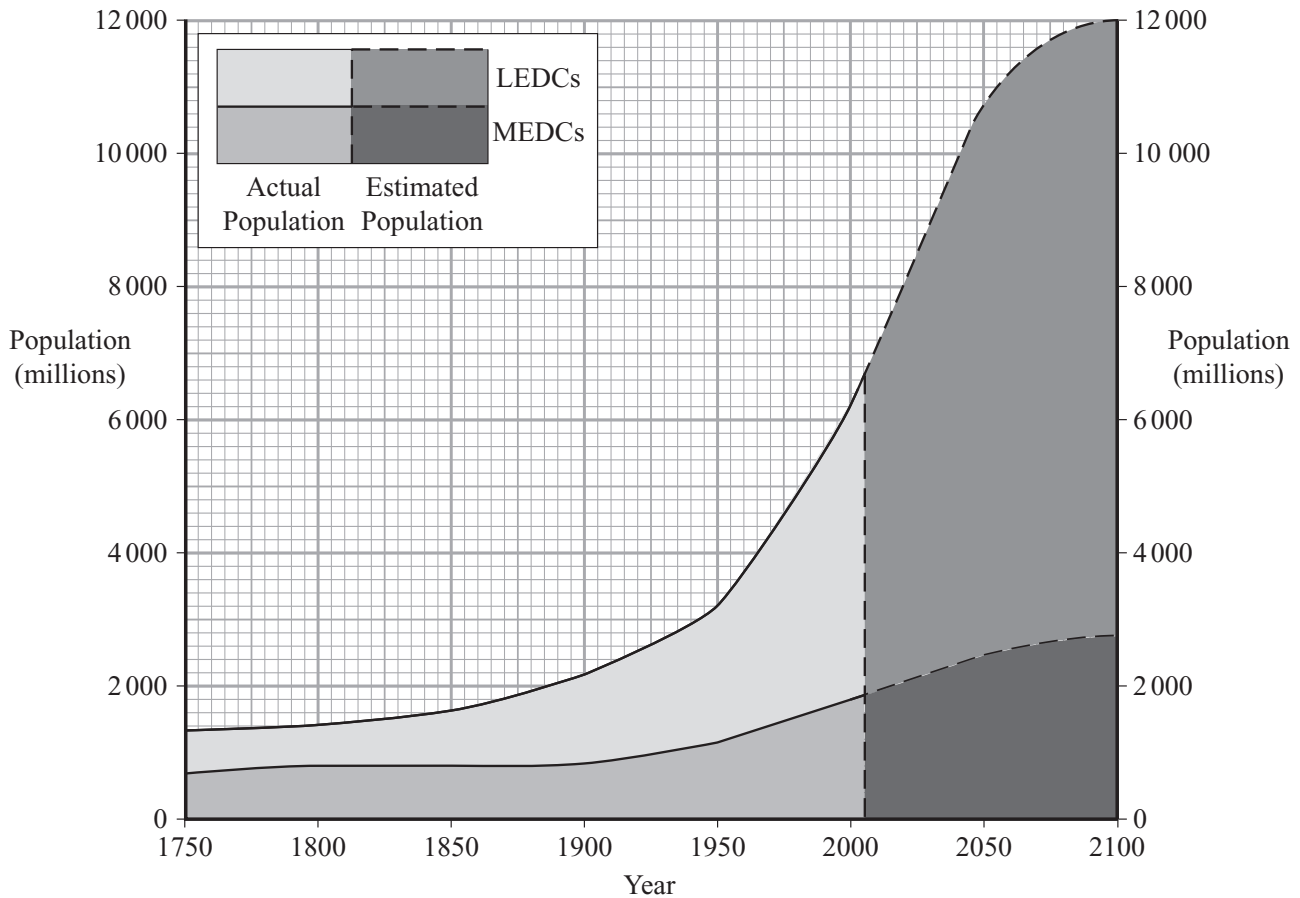
- (ii) Complete the following table by working out the natural increase in population for India.

	<b>Per 1000 per year</b>
<b>Birth rate</b>	30
<b>Death rate</b>	11
<b>Natural increase</b>	

*(1 mark)*

(iii) Study **Figure 1**, a graph of world population growth.

**Figure 1**



Use **Figure 1** to complete the following sentences. Draw a circle around the correct answer in each pair.

The total world population in 1900 was **2200/3200** million.

The most rapid increase in the world's population began in **1950/2000**.

From 2000 the most rapid population increase will be in **LEDCs/MEDCs**.

By 2100 it is expected that **three quarters/two thirds** of the world's population will live in LEDCs.

(4 marks)

**Question 1 continues on the next page**

- (b) Study **Figure 2**, which shows how the world's population changes every ten years.

Graph showing how the world's population changes every 10 years  
- not reproduced here due to third-party copyright constraints.

- (i) Complete the graph to show that between 2000 and 2010 the world's population is expected to rise by 85 million.

*(1 mark)*

- (ii) In which year is it expected that the world's population will begin to decrease?

.....

*(1 mark)*

(iii) The table below lists some reasons why population growth in some LEDCs is expected to fall.

- Family planning
- Careers for women
- Improved health care

Choose any **two** of these reasons.  
Explain why they will affect population growth.

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2 .....

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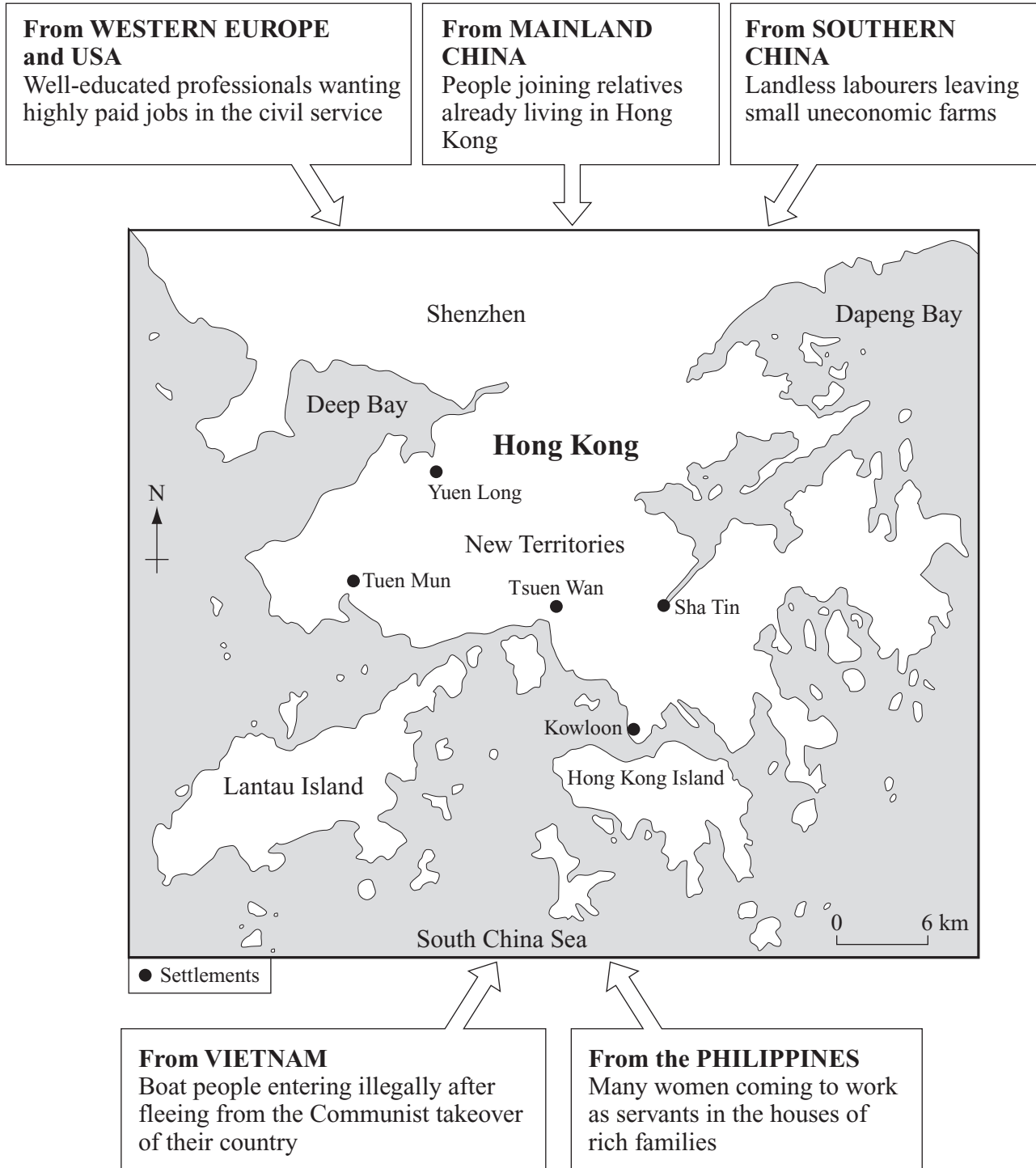
.....

*(4 marks)*

**Question 1 continues on the next page**

(c) Study **Figure 3**, which shows some reasons why people have migrated to Hong Kong since 1970.

**Figure 3**



- (i) Using **Figure 3**, give **two** push factors and **two** pull factors for the migration of people to Hong Kong since 1970.

Push factors

1 .....

2 .....

Pull factors

1 .....

2 .....

*(4 marks)*

- (ii) Describe the advantages to a country or region of receiving immigrants.

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*(4 marks)*

**Question 1 continues on the next page**

(d) Explain how *physical* factors cause some parts of the world to have low population densities.

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(4 marks)

25



**2 Settlement****Total for this question: 25 marks**

- (a) (i) What is the meaning of the term 'urbanisation'?

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*(2 marks)*

- (ii) Study the following table.

	Country A		Country B	
	1950	2000	1950	2000
<b>Rural population (%)</b>	75	75	75	50
<b>Urban population (%)</b>	25	25	25	50

Which country became more urbanised between 1950 and 2000?

.....

*(1 mark)***Question 2 continues on the next page**

- (iii) Study **Figure 4**, which shows the percentage of population living in urban areas in different parts of the world.

Graph showing % of population living in urban areas in different parts of the world - not reproduced here due to third-party copyright constraints.

Use **Figure 4** to complete the following sentences. Draw a circle around the correct answer in each pair.

The percentage of urban population in Asia in 1990 was **30/40**.

The urban population of MEDCs rose less rapidly after **1965/1975**.

The less economically developed continent with the highest percentage of people living in urban areas is **South America/Asia**.

The increase in the percentage of urban population in Africa between 1950 and 2020 is expected to be **30/40** percent.

*(4 marks)*

- (b) Study **Figure 5**, which shows the population growth (%) of the city of Kolkata (Calcutta) compared with the country of India.

Graph showing population growth (%) of the city of Kolkata compared with the country of India - not reproduced here due to third-party copyright constraints.

- (i) Complete the graph to show that between 1981 and 1990 the population growth of Kolkata was 41%.

*(1 mark)*

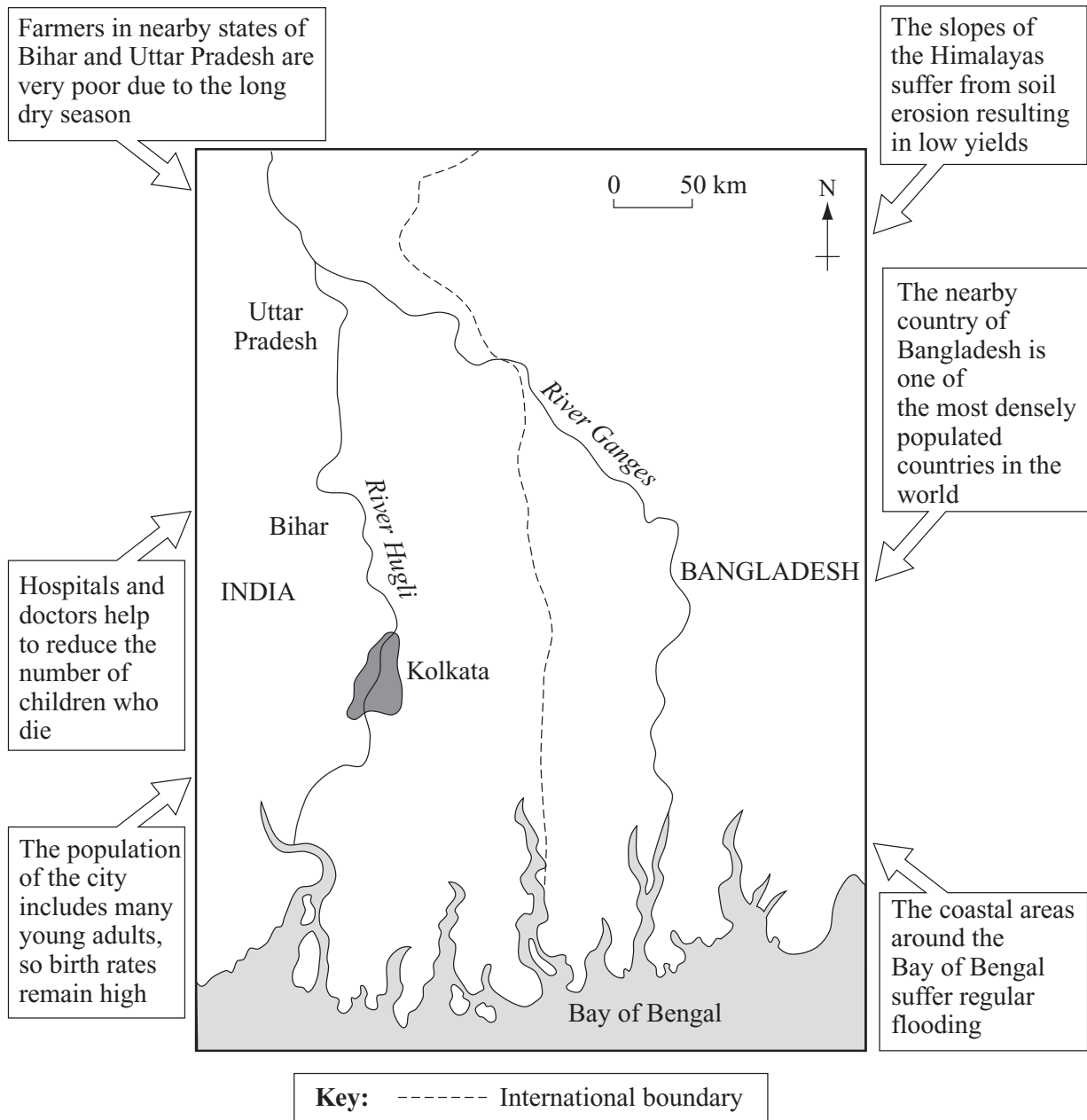
- (ii) In which year did India's population growth (%) fall below 0%?

.....  
*(1 mark)*

**Question 2 continues on the next page**

- (c) Study **Figure 6**, which shows why the city of Kolkata (Calcutta) has grown as the result of migration and other factors.

**Figure 6**



- (i) Using **Figure 6**, give **two physical** and **two human** factors that caused a growth in Kolkata's population.

Physical factors

1 .....

2 .....

Human factors

1 .....

2 .....

*(4 marks)*

- (ii) Describe the effects of rapid growth on LEDC cities, such as Kolkata.

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*(4 marks)*

**Question 2 continues on the next page**

(iii) The table below lists some ways of coping with the rapid growth of cities in LEDCs or MEDCs.

Transport policies	<input type="checkbox"/>
Improving shanty towns	<input type="checkbox"/>
Use of brownfield sites	<input type="checkbox"/>

Tick **two** of these ways.

Explain how they may help to cope with the rapid growth of cities.

1 .....

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*(4 marks)*

(d) Describe an urban model of an MEDC city. You may use a labelled diagram.

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*(4 marks)*

<b>25</b>

**End of Section A**

**Turn over for Section B**

## SECTION B

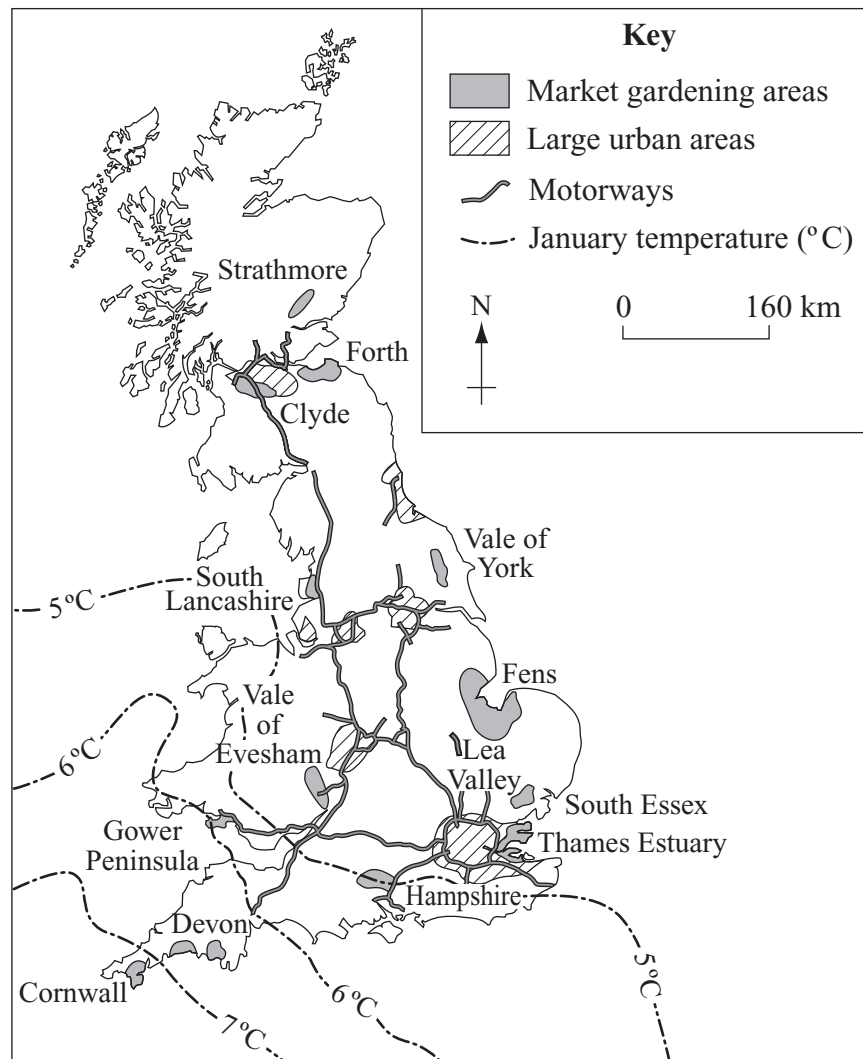
Answer **ONE** question in this section, **either** Question 3 **or** Question 4.

## 3 Agriculture

**Total for this question: 25 marks**

(a) Study **Figure 7**, which shows the main market gardening areas of Great Britain.

**Figure 7**



(i) What is the meaning of the term 'market gardening'?

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.....

(1 mark)



(ii) Using **Figure 7**, tick the correct box to show whether each of the following statements is **true** or **false**.

	<b>True</b>	<b>False</b>
All the market gardening areas have good motorway links.	<input type="checkbox"/>	<input type="checkbox"/>
None of the market gardening areas are near large urban areas.	<input type="checkbox"/>	<input type="checkbox"/>
The market gardening areas of Cornwall have mild winter temperatures.	<input type="checkbox"/>	<input type="checkbox"/>

*(3 marks)*

(iii) The table below lists some factors affecting the distribution of market gardening.

Climate	<input type="checkbox"/>
Soil	<input type="checkbox"/>
Distance from markets	<input type="checkbox"/>

Tick **two** of the factors. Explain how they affect the distribution of market gardening.

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*(4 marks)*

(b) Study **Figure 8**, on the insert, a photograph of rice farming in an LEDC.

(i) Describe what is happening in the photograph.

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*(2 marks)*

**Question 3 continues on the next page**

(ii) Give **two** physical inputs important for the growing of rice suggested by the photograph.

1 .....

2 .....

*(2 marks)*

(c) (i) Describe how farming in LEDCs is changing.

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*(4 marks)*

(ii) Give **two** disadvantages of changes to farming in LEDCs.

1 .....

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2 .....

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*(2 marks)*

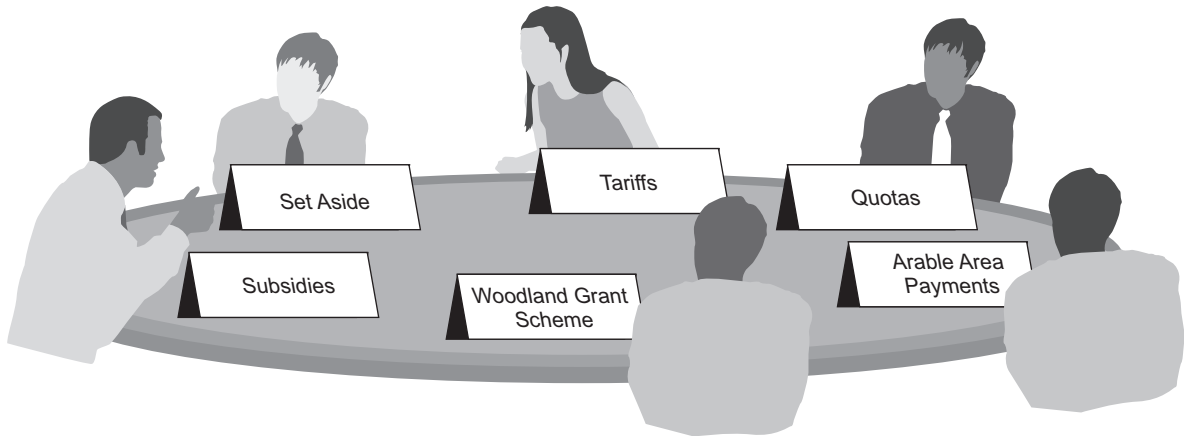
(d) (i) What do the letters CAP stand for?

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*(1 mark)*

(ii) Study **Figure 9**, which shows some European Union (EU) farming policies.

**Figure 9**



Describe how **one or more** of these policies have affected farming.

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(6 marks)

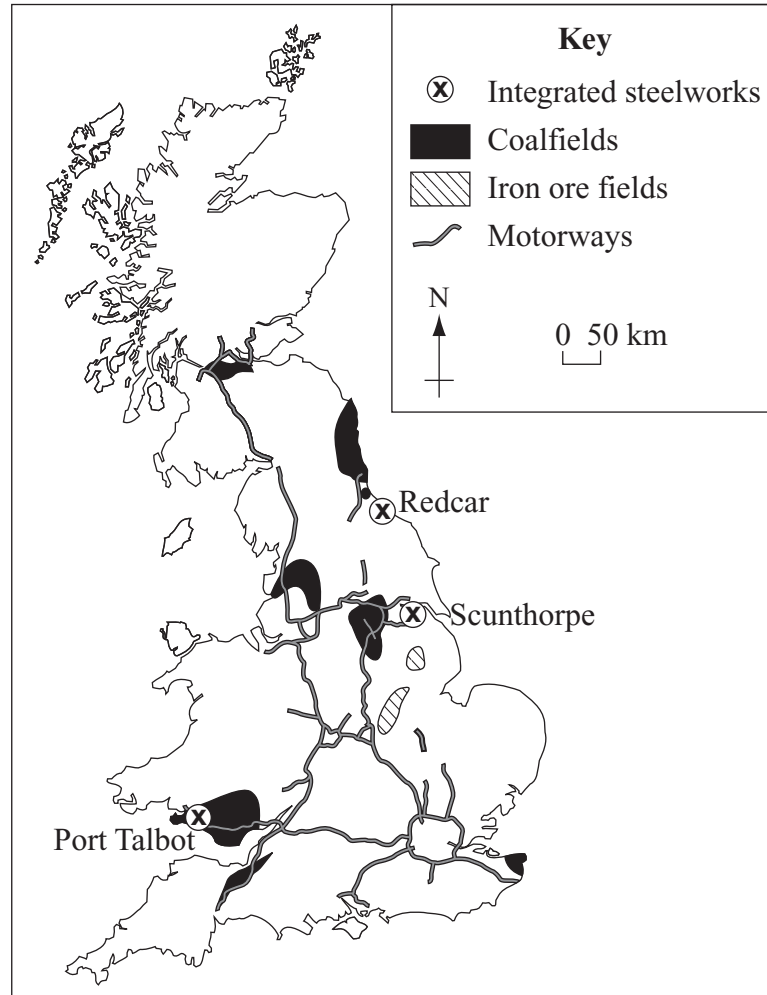
25

## 4 Industry

Total for this question: 25 marks

- (a) Study **Figure 10**, which shows the location of steel-making, a secondary industry in Great Britain in 2005.

Figure 10



- (i) What is the meaning of the term 'secondary industry'?

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(1 mark)

(ii) Using **Figure 10**, tick the correct box to show whether each the following statements is **true** or **false**.

	<b>True</b>	<b>False</b>
All integrated steelworks are on a coalfield.	<input type="checkbox"/>	<input type="checkbox"/>
All integrated steelworks are on an iron ore field.	<input type="checkbox"/>	<input type="checkbox"/>
All integrated steelworks are less than 50 km from the coast.	<input type="checkbox"/>	<input type="checkbox"/>

*(3 marks)*

(b) Describe a secondary industry that you have studied under **two** of the following headings.

- Inputs;
- Processes;
- Outputs.

Tick the two you have chosen.

Type of secondary industry .....

1 .....

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2 .....

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*(4 marks)*

(c) Study **Figure 11**, on the insert, a photograph of the Cambridge Science Park.

(i) Give **two** features of the layout of the Cambridge Science Park.

1 .....

2 .....

*(2 marks)*

**Question 4 continues on the next page**

(ii) Give **two** factors suggested by the photograph that might have been important in choosing the site of the Science Park.

1 .....

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2 .....

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(2 marks)

(iii) Give **two** advantages to a local area of the development of a Science Park.

1 .....

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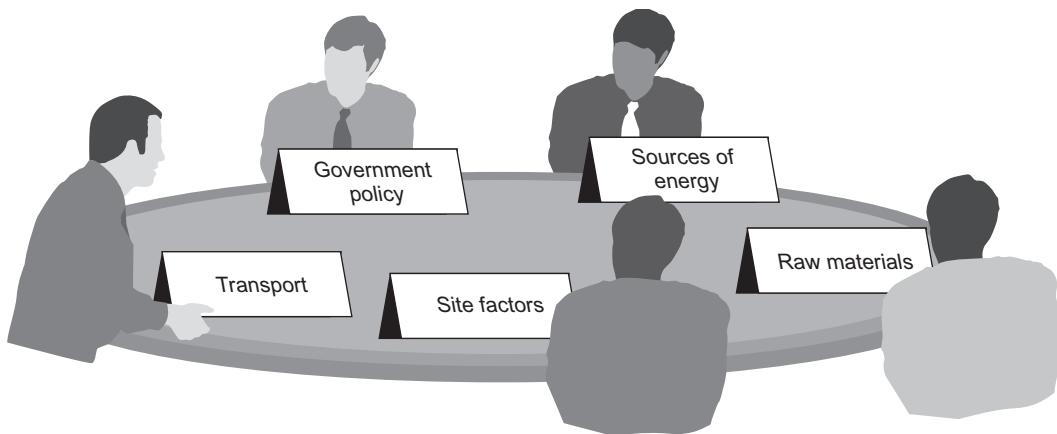
2 .....

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(2 marks)

(d) Study **Figure 12**, which shows some of the factors affecting the location of industry.

**Figure 12**



Describe how **one or more** of these factors have affected the location of some industry.

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*(6 marks)*

(e) (i) Give **one** way in which heavy industry may cause air pollution.

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*(1 mark)*

(ii) Describe the effects of industrial pollution on **either** the land **or** the sea.

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*(4 marks)*

25

**End of Section B**

**Turn over for Section C**

**SECTION C**

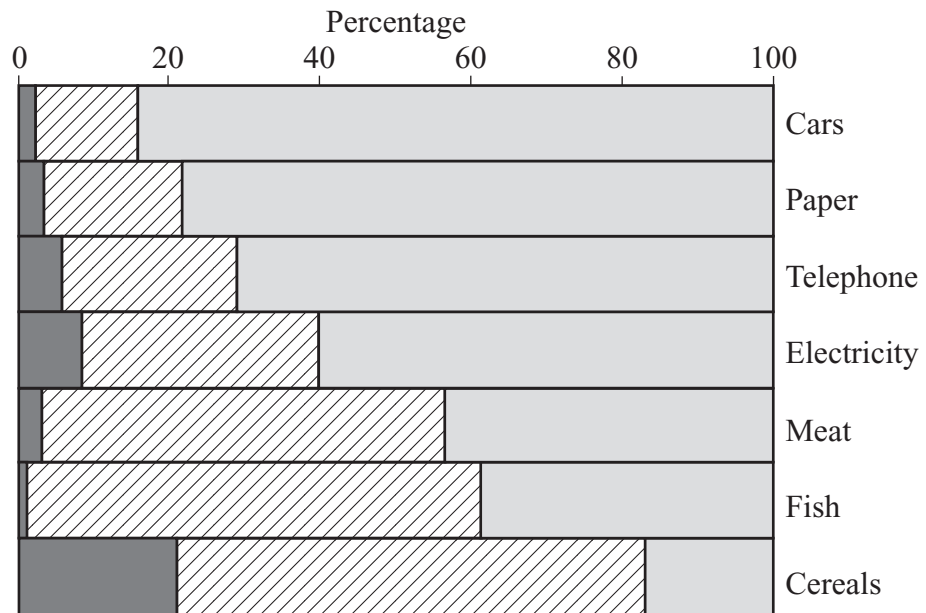
Answer **ONE** question in this section, **either** Question 5 **or** Question 6.

**5 Managing Resources**

**Total for this question: 25 marks**

- (a) Study **Figure 13**, which shows how some of the world's resources are shared between groups of countries.

**Figure 13**



- (i) What is a resource?

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*(1 mark)*



(ii) Give **two** pieces of evidence from **Figure 13** which suggest that there is a very unequal use of resources in the world.

1 .....

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2 .....

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*(2 marks)*

**Question 5 continues on the next page**

(b) (i) What is the meaning of the term ‘recycling’?

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(1 mark)

(ii) Name **two** materials that can be recycled.

1 .....

2 .....

(2 marks)

(iii) Study **Figure 14**, a cartoon about recycling.

Cartoon about recycling waste - not reproduced here due to third-party copyright constraints.

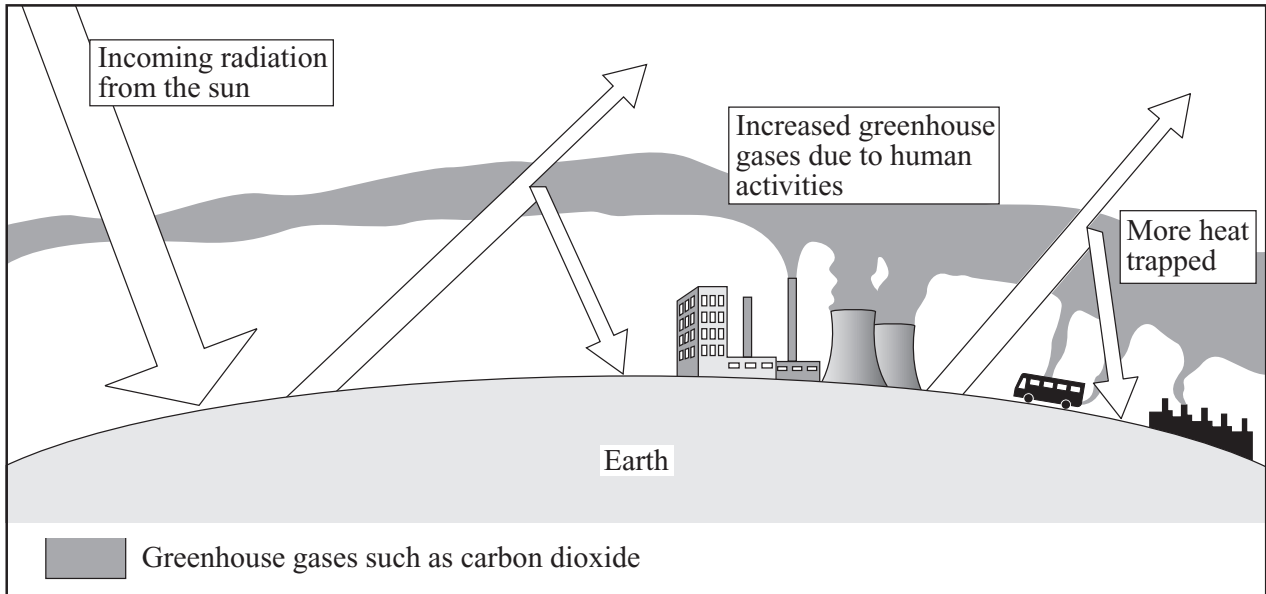
How does **Figure 14** suggest that recycling may not be environmentally friendly?

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(1 mark)

(c) Study **Figure 15**.

**Figure 15**



Using **Figure 15**, explain the possible causes of global warming.

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(4 marks)

**Question 5 continues on the next page**

(d) Study **Figure 16**, which is a map of the Maldives, an LEDC in the Indian Ocean.

Map of the Maldives, an LEDC in the Indian Ocean - not reproduced here due to third-party copyright constraints.

(i) Using **Figure 16**, suggest **two** reasons why tourists are attracted to the Maldives.

1 .....

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2 .....

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*(2 marks)*

(ii) What is the meaning of the term 'green tourism'?

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*(2 marks)*

(iii) Since 1970, the government of the Maldives has made rules that have to be followed when building any new tourist development. The table below lists some of these rules.

- |   |   |
|---|---|
| 1 | Resorts are to use recycled water in the gardens.                                 |
| 2 | No buildings are to be taller than the tree-tops.                                 |
| 3 | No more than 20% of any island is to be built on.                                 |
| 4 | Each island is to have its own solar-powered generator for producing electricity. |

Choose **three** of these rules, and suggest why each was felt to be important.

Rule number  .....

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Rule number  .....

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Rule number  .....

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(6 marks)

**Question 5 continues on the next page**

(iv) Explain why the growth of tourism may bring disadvantages to an LEDC.

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*(4 marks)*

<b>25</b>

**Turn over for the next question**

**6 Development****Total for this question: 25 marks**

- (a) Study **Figure 17**, which shows the percentage of their GNP that some rich countries gave as aid in 2001.

Graph showing the percentage of their GNP that some countries gave as aid in 2001 - not reproduced here due to third-party copyright constraints.



(i) What do the letters GNP stand for?

.....  
(1 mark)

(ii) Give **two** pieces of evidence from **Figure 17** which suggest that the richest countries are not helping the poorest countries as much as they could.

1 .....

2 .....

(2 marks)

**Question 6 continues on the next page**

(b) Study Figure 18, a cartoon about aid.

Figure 18



(i) Name the type of aid being talked about in **Figure 18**.

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(1 mark)

(ii) Why is this type of aid an advantage to MEDCs?

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(2 marks)

(iii) Give **one** disadvantage of aid being given to LEDCs.

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.....  
(1 mark)

(c) (i) What is the meaning of the term ‘appropriate technology’?

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(2 marks)

**Question 6 continues on the next page**

- (ii) Study **Figure 19**, a photograph of an *upes*. This is an efficient wood-burning stove. A UK charity has been teaching women potters in Kenya how to make them since 1987.

Photo of an *upes* - not reproduced here due to third-party copyright constraints.

The table below lists some advantages of the *upes*.

- |   |   |
|---|---|
| 1 | Fewer trees have to be cut down.              |
| 2 | It can be sold by the women.                  |
| 3 | It produces less smoke.                       |
| 4 | It can also burn crop stalks and animal dung. |

Choose **three** advantages of the *upes*, and suggest why each is important.

Advantage number  .....

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Advantage number  .....

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Advantage number  .....

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*(6 marks)*

(d) (i) Give **two** problems of water supply in LEDCs.

1 .....

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2 .....

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*(2 marks)*

(ii) Describe how water supply is being improved in LEDCs.

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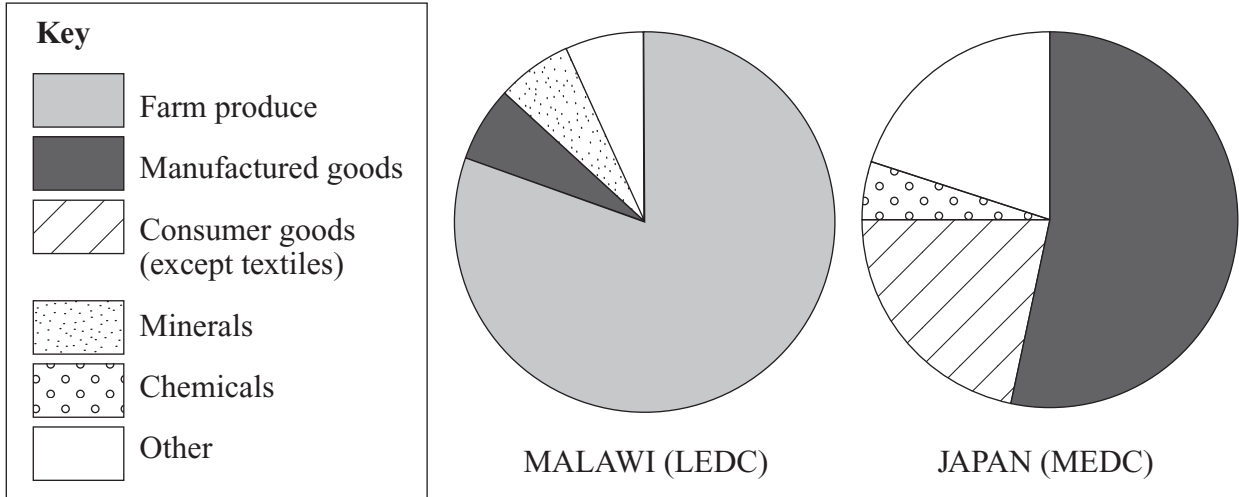
*(4 marks)*

**Question 6 continues on the next page**

(e) Study **Figure 20**, which shows the export trade of two countries.

**Figure 20**

**Export trade of two countries**



Using **Figure 20**, explain the disadvantages of international trade for LEDCs.

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(4 marks)

25

**END OF QUESTIONS**

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Question 2: Figure 4: MJ READMAN AND FM MAYERS, *The Dynamic World*, Pearson 1990

Question 2: Figure 5: B NIXON, *World Contrasts*, HarperCollins Publishers Ltd, © 1986, B NIXON

Question 3: Figure 8: [www.gsfc.nasa.gov](http://www.gsfc.nasa.gov) Changsheng Li

Question 4: Figure 11: [www.stacey.peak-media.co.uk](http://www.stacey.peak-media.co.uk)

Question 5: Figure 13: World Wide Fund for Nature UK

Question 5: Figure 14: From *The Human Environment* by BOB DIGBY. Reprinted by permission of Harcourt Education

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## Insert

Monday 12 June 2006 1.30 pm to 3.00 pm

### **Figure 8**

Photo of rice farming - not reproduced here due to  
third-party copyright constraints.

## **Figure 11**

Aerial photograph of Cambridge Science Park - not reproduced here due to third-party copyright constraints.