



Rewarding Learning

General Certificate of Secondary Education
2009

Geography

Paper 2
Higher Tier

[G3604]

TUESDAY 2 JUNE, AFTERNOON

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71	
Candidate Number	
<input type="text"/>	



TIME

1 hour 30 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.
 Write your answers in the spaces provided in this question paper.
 Answer **all three** questions.

INFORMATION FOR CANDIDATES

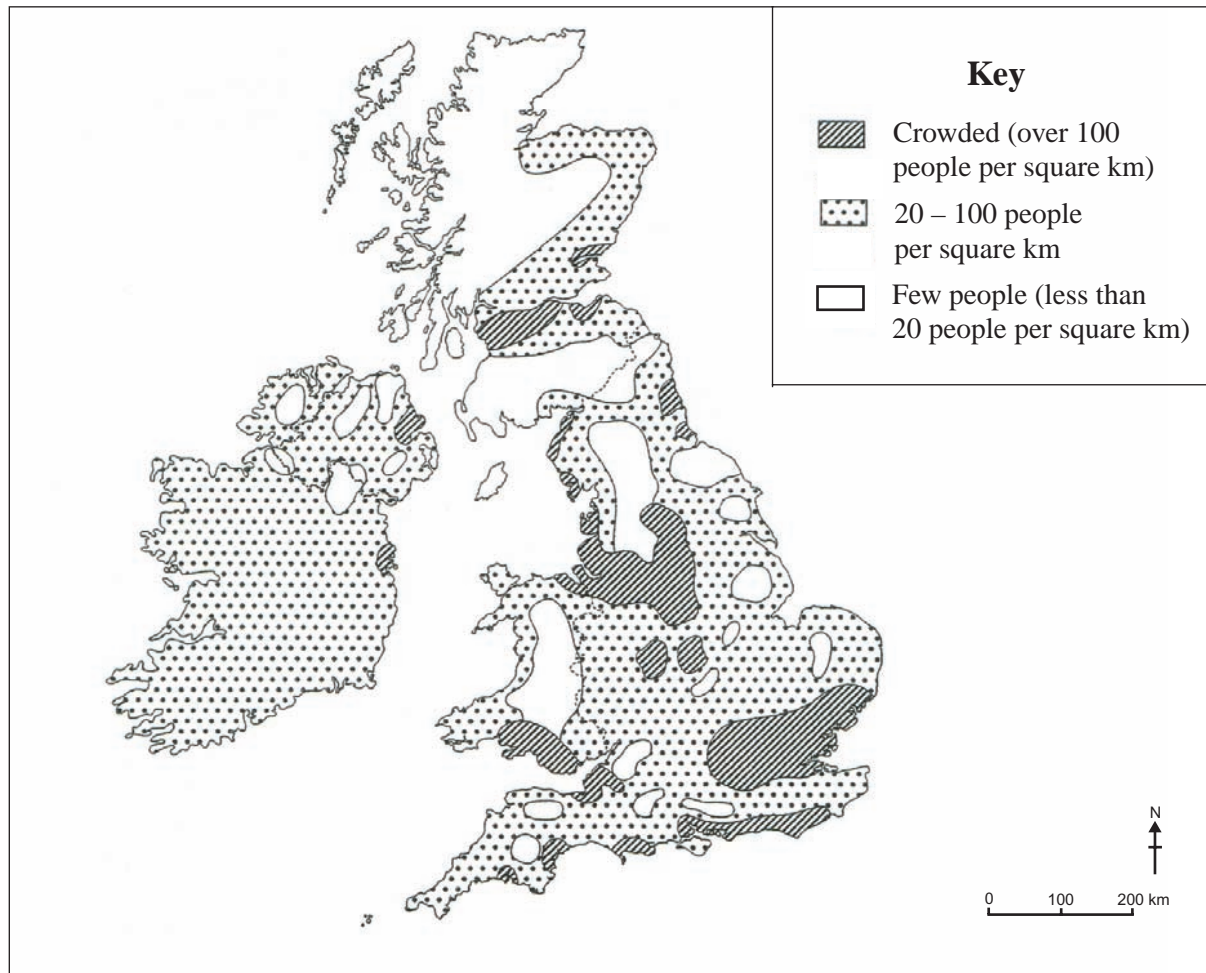
The total mark for this paper is 126, including a maximum of 6 marks for quality of written communication.
 Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.

For Examiner's use only	
Question Number	Marks
1	
2	
3	
QWC	
Total Marks	

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Theme D: Population and Resources

- 1 (a) Study **Fig. 1**, which shows how population density varies across the British Isles. Answer the questions which follow.



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Fig. 1

- (i) Describe how population density varies across the British Isles. Use figures from **Fig. 1** in your answer.

[4]

Examiner Only	
Marks	Remark

[Turn over

(ii) State the meaning of the term **population density**.

[2]

(iii) The British Isles has a multicultural society. State fully **two** challenges this brings for people.

[6]

Examiner Only	
Marks	Remark

(b) Name one large area at the **global scale** and state fully **two** reasons why it has a high population density.

Area with a high population density _____

Reason 1 _____

_____ [3]

Reason 2 _____

_____ [3]

Examiner Only	
Marks	Remark

[Turn over

(c) Study **Fig. 2** and **Table 1** which show information about recent death rate figures in Egypt. Answer the questions which follow.

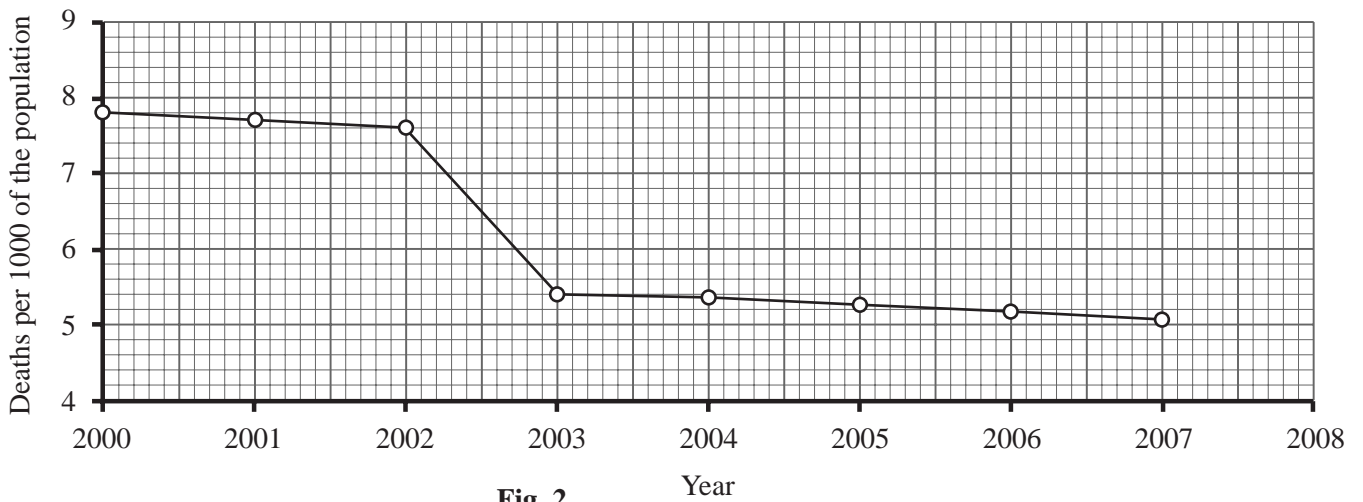


Fig. 2

Source for Fig. 2 and Table 1 adapted from website <http://indexmundi.com/egypt/deathrate.html>

Table 1

Year	Deaths per 1000 of the population
2006	5.23
2007	5.11
2008	5.00

Examiner Only	
Marks	Remark

(i) Using **Table 1**, complete **Fig. 2**.

[2]

(ii) Death rates are falling in many LEDCs. State fully **two** reasons death rates fall.

[6]

Examiner Only	
Marks	Remark

[Turn over

(d) Study Fig. 3 and Table 2 which show information about Egypt's population structure in 2005. Answer the questions which follow.

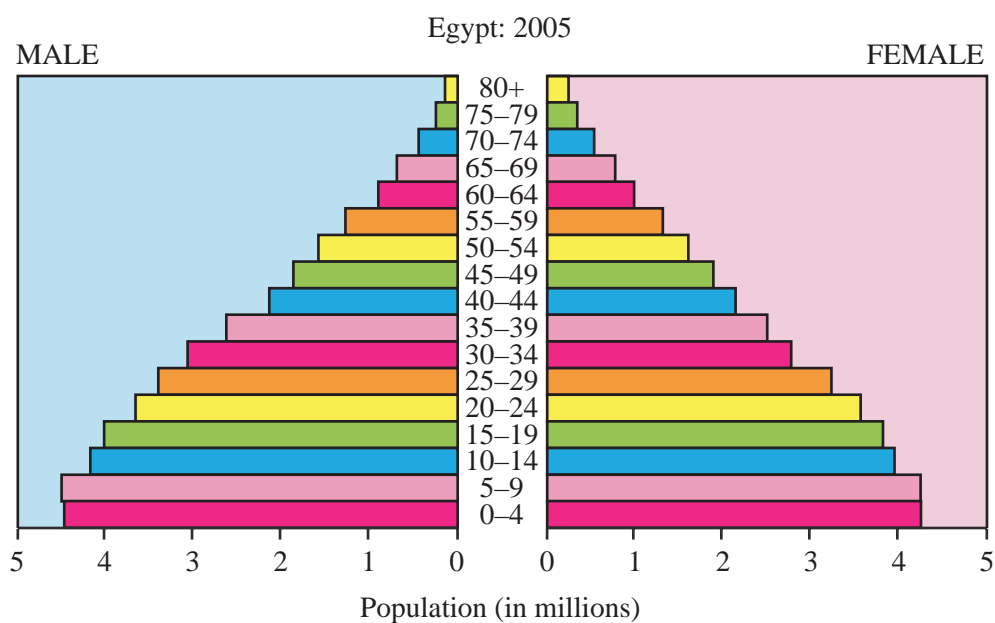


Fig. 3

Source: U.S. Census Bureau, International Data Base

Table 2

Age group	% of Egypt's population in 2005
65 years and over	5%
16-64 years old	63%
15 years and under	32%

(i) Underline the number of people aged 0-4 in Egypt in 2005.

4.5 million 8.5 million 8.7 million [1]

Examiner Only	
Marks	Remark

(ii) Compare the size of the dependent populations of Egypt in 2005.

[4]

(iii) State fully **one** impact on a country of having a large youth dependency.

[3]

Examiner Only	
Marks	Remark

(e) Evaluate a renewable energy production scheme which you have studied in terms of its benefits and problems.

[6]

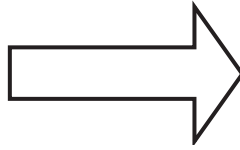
Examiner Only	
Marks	Remark

Theme E: Economic Change and Development

Examiner Only	
Marks	Remark

2 (a) Study **Photograph 1** and **Photograph 2** which shows some different economic activities. Answer the questions which follow.

(i) **State** the type of industry shown in each photo.



_____ industry

Photograph 1

© National Farmers Federation of Australia

[1]



_____ industry

Photograph 2

© Reproduced by kind permission of Mr Ottmar Hermann,
Insolvency Administrator of Wilhelm Karmann GmbH

[1]

(ii) Define the term **tertiary industry**. Include an example in your answer.

[2]

Study **Table 3** which shows the employment structure of various countries. Answer the questions that follow.

Table 3

Country	% Employed in primary industries	% Employed in secondary industries	% Employed in tertiary industries
UK		25	70
France	7	28	65
Brazil	25	25	50
Kenya	65	20	15
Bangladesh	70	18	12

(iii) Complete **Table 3** by filling in the empty box.

1. % employed in Primary Industries in the UK. [1]

2. Name the country with the highest % employed in primary industry.

_____ [1]

Examiner Only	
Marks	Remark

(iv) Using **Table 3** to help you, describe the link between employment structure and the level of development of a country (LEDC/MEDC).

[5]

Examiner Only	
Marks	Remark

[Turn over

(b) Study **Fig. 4** which shows the location of a science park in Belfast, Northern Ireland. Answer the questions that follow.

A science park is where hi-tech industries are located.

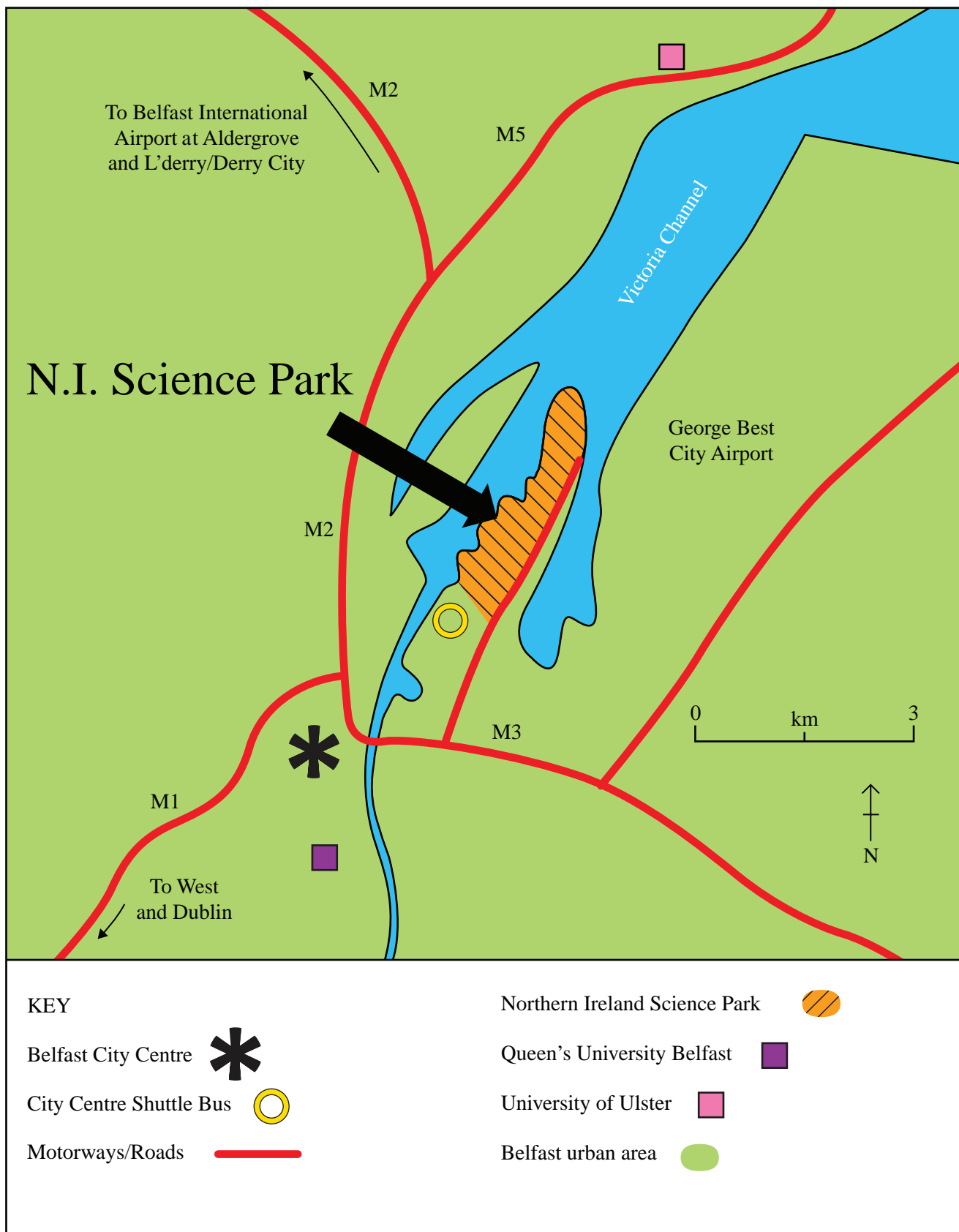


Fig. 4

Source: Principal Examiner

(i) Underline the term which relates to hi-tech industries.

Sunset Sunrise Twilight [1]

(ii) Using **Fig. 4**, suggest **two** factors that make this area a good location for the hi-tech industries in the science park.

1. _____

2. _____

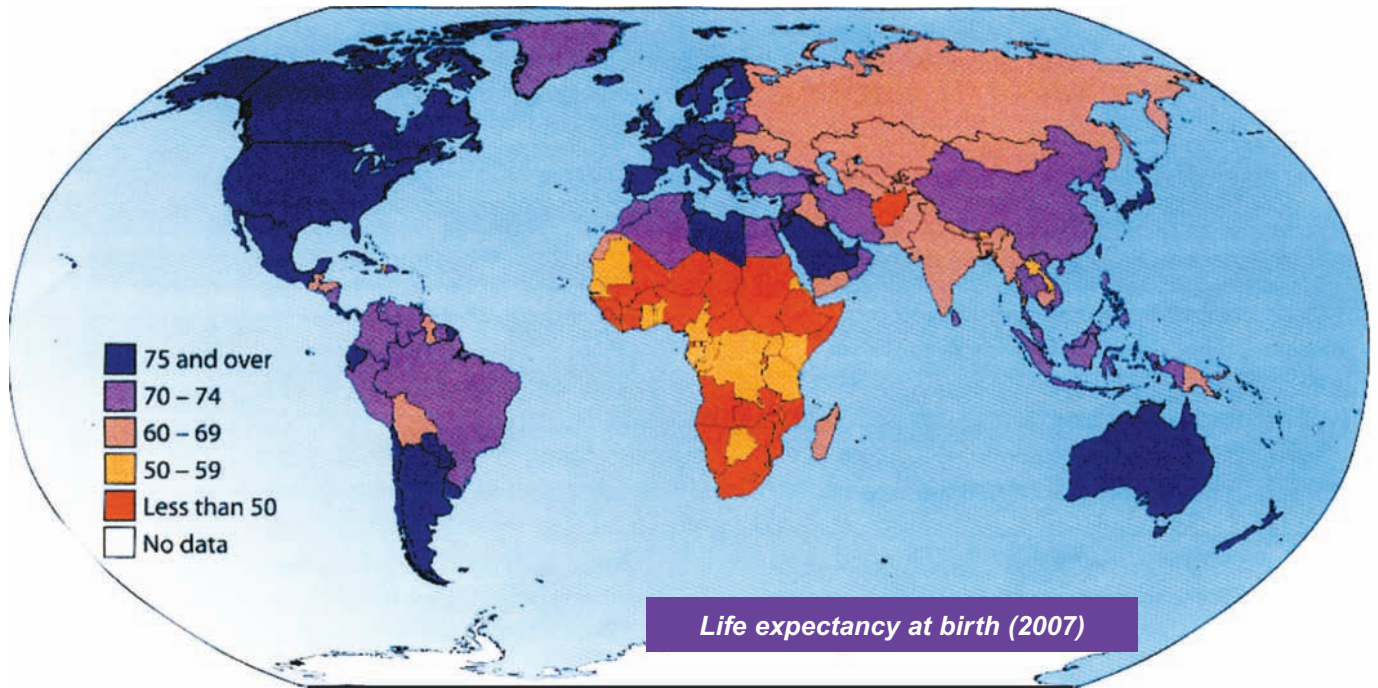
_____ [4]

(iii) Underline **two** locations where you would expect to find hi-tech industries in the British Isles.

M4 Corridor Lake District Silicon Glen [2]

Examiner Only	
Marks	Remark

- (c) Life expectancy is a social indicator of development. Study Fig. 5 which shows global patterns in life expectancy. Answer the questions that follow.



Source: CIA World Factbook

Fig. 5

- (i) Describe and explain the pattern of life expectancy across the world.

[6]

Examiner Only	
Marks	Remark

(ii) Evaluate the use of social indicators such as life expectancy as a measure of development.

[4]

Examiner Only	
Marks	Remark

[Turn over

(d) Study **Fig. 6** which shows the location of a TNC's clothing factories. Answer the questions that follow.

Examiner Only	
Marks	Remark

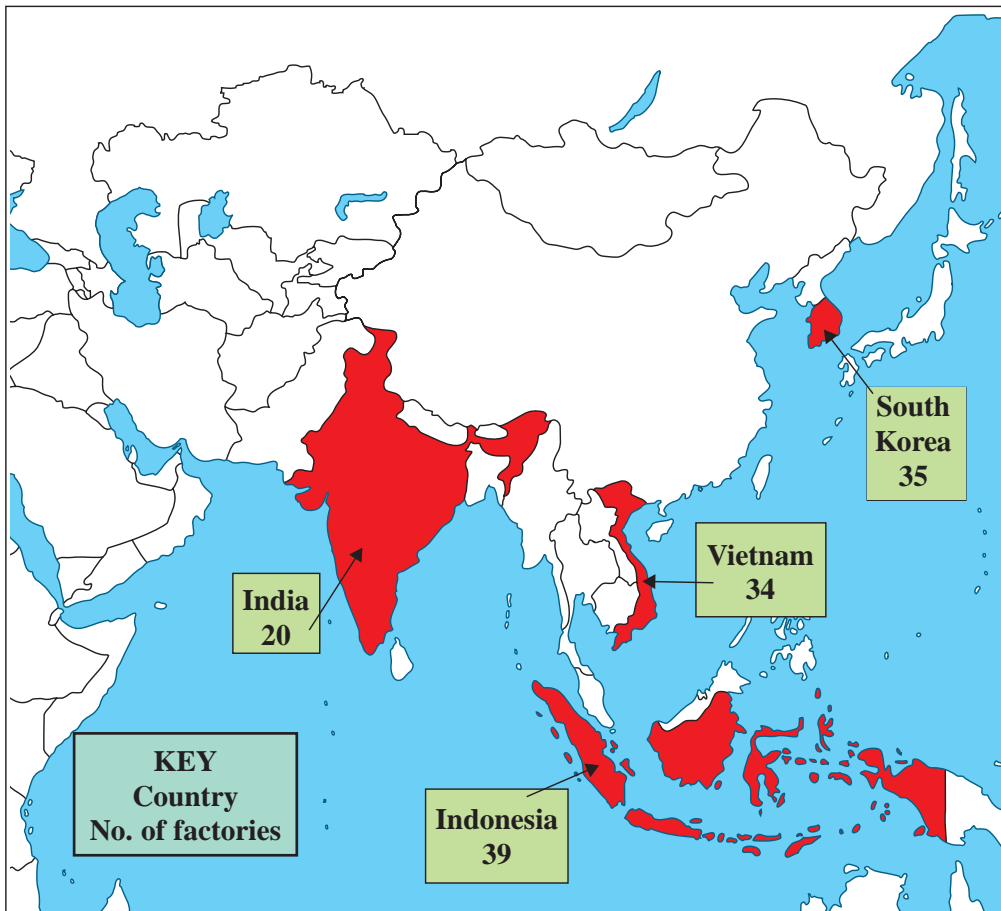


Fig. 6

Source: Principal Examiner

(i) Define the term **transnational corporation (TNC)**, giving one example in your answer.

[2]

(ii) MEDC / LEDC usually locate.

MEDC

LEDC

[1]

(iii) For a named TNC you have studied, state fully **two** reasons why they have relocated their factories from a MEDC to a LEDC.

Name of TNC _____ [No mark]

[6]

(iv) State fully **one** disadvantage the TNC could bring to the environment of the LEDC.

[3]

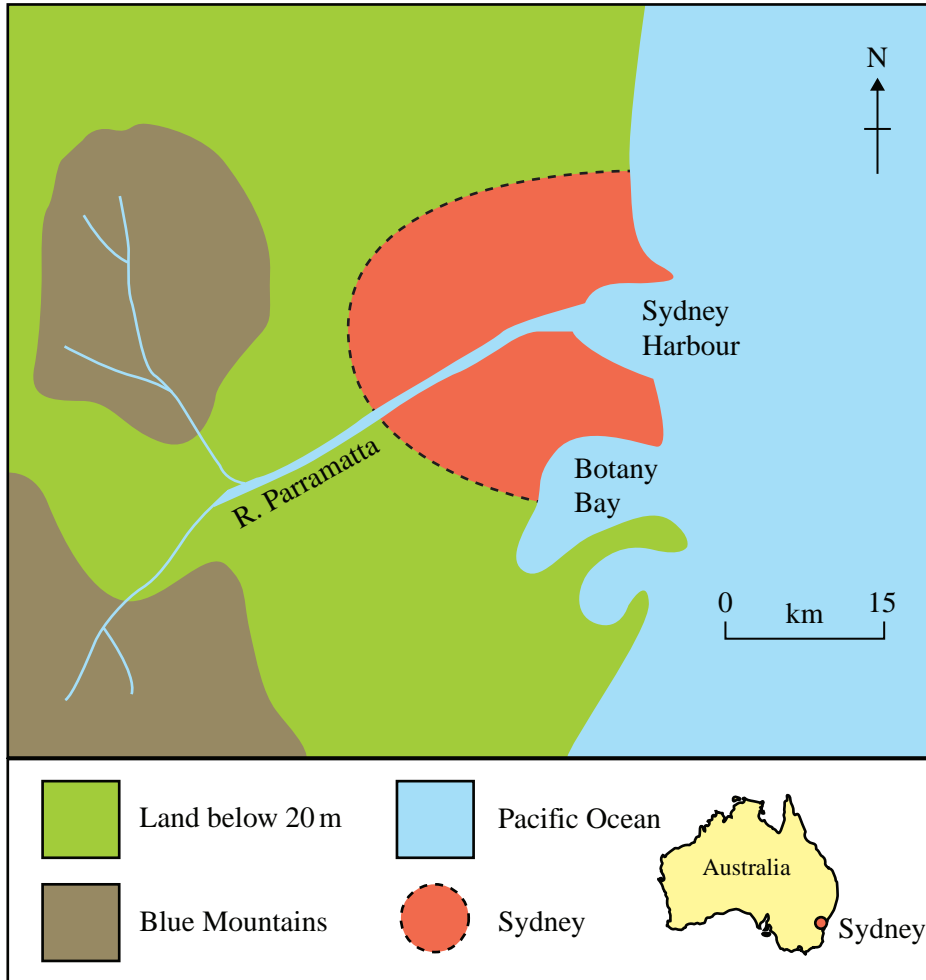
Examiner Only	
Marks	Remark

[Turn over

Theme F: Settlements and Change

Examiner Only	
Marks	Remark

- 3 (a) Study **Fig. 7**, which shows the location of Sydney, a city in Australia. Answer the questions that follow.



Source: Principal Examiner

Fig. 7

- (i) State the name of the river that flows through Sydney.

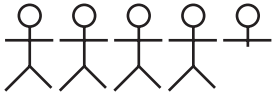
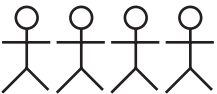
_____ [1]

- (ii) On which ocean is Sydney located?

_____ [1]

- (b) Study **Table 4**, which shows the net percentage population change within and around a British city during a 5 year period. Answer the questions which follow.

Table 4

Area	Net percentage population change	Percentage of population gained or lost
Inner city	-45%	
Suburbs	+5%	
Area outside city	+___%	

Key

 = 10% Change in population

Net %

Population = % of people who move in – % of people who move out
Change

- (i) Using the information in **Table 4**, fill in the blank boxes. [2]

- (ii) Underline the process that has occurred in this city.

URBANISATION COUNTERURBANISATION [1]

Examiner Only	
Marks	Remark

(c) State fully **two** reasons why outer city areas are gaining in population.

[6]

Examiner Only	
Marks	Remark

[Turn over

(d) Study **Fig. 8**, which shows the spheres of influence of a jewellery shop in Omagh, Co. Tyrone and a newsagent in Carrickmore, Co. Tyrone. Answer the question that follows.

Examiner Only	
Marks	Remark

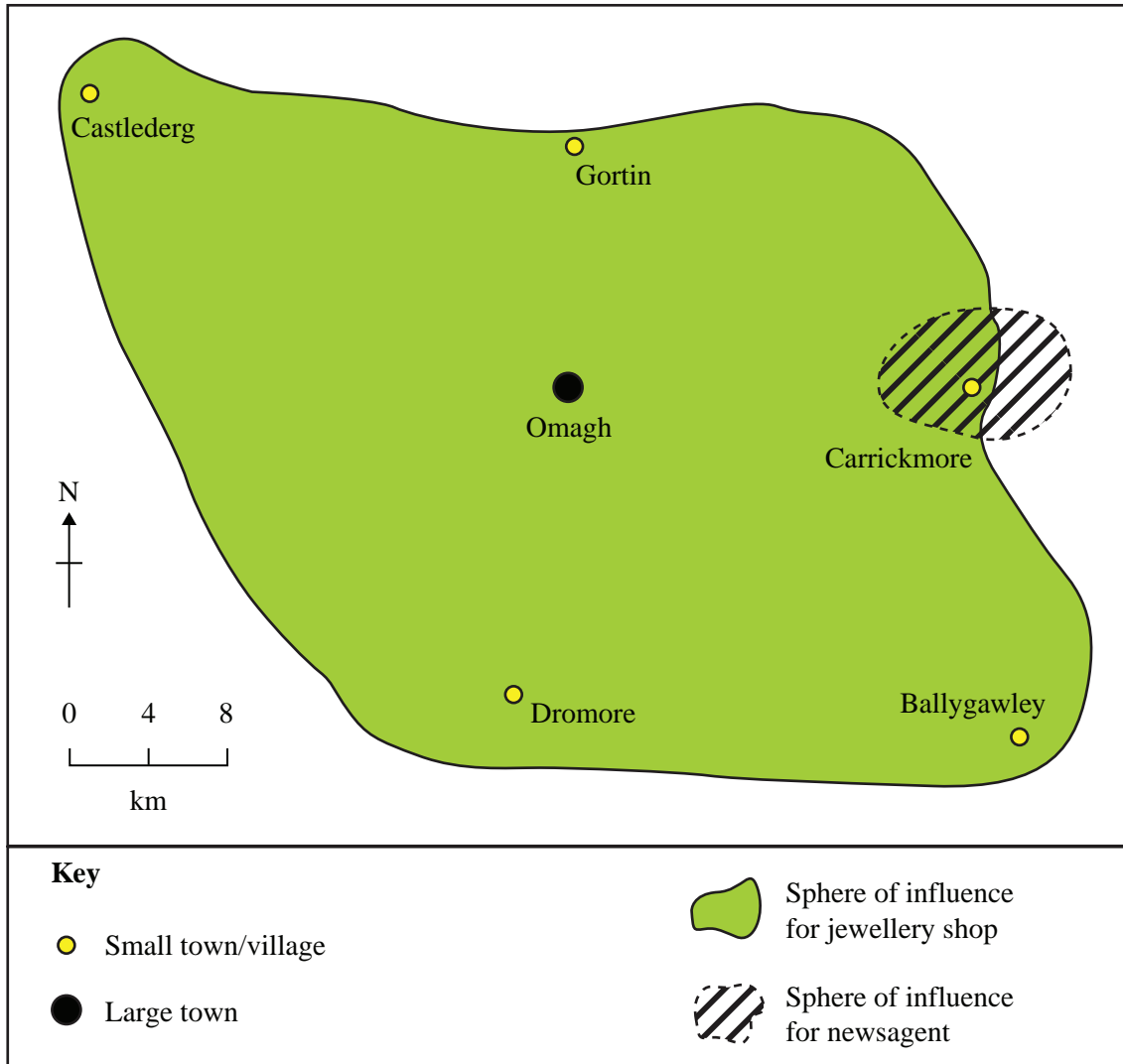


Fig. 8

Source: Principal Examiner

Describe and explain the difference in the spheres of influence of the jewellery shop and the newsagent in the two settlements in Co. Tyrone. Use **Fig. 8** to help you.

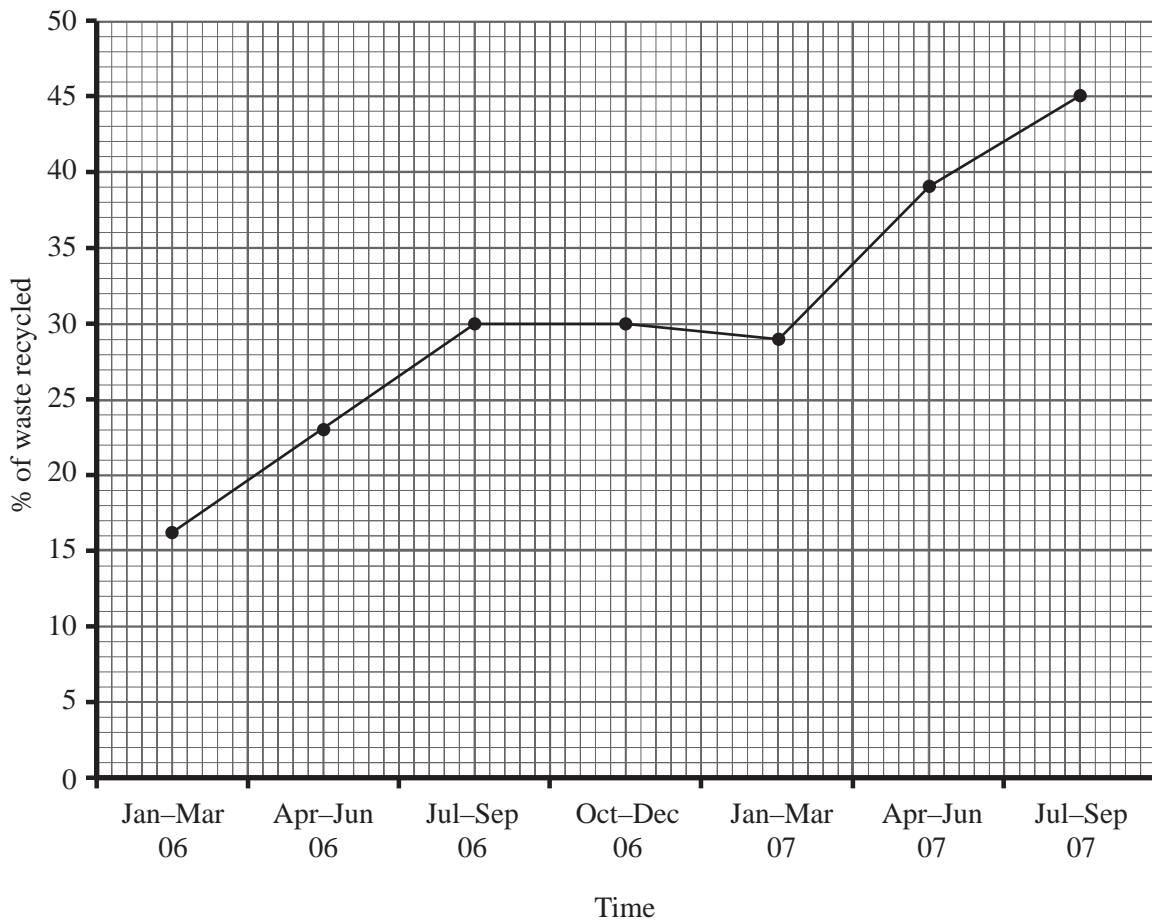
[6]

Examiner Only	
Marks	Remark

[Turn over

(e) Study **Fig. 9** which shows recycling rates over a period of time for a District Council in Northern Ireland.

Examiner Only	
Marks	Remark



Source: Omagh District Council Recycling guide 2008/09

Fig. 9

(i) Describe the trend in recycling rates shown in **Fig. 9**.

[3]

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

_____ [1]

_____ [1]

(iii) Apart from recycling, name and describe **one** other sustainable method of dealing with waste.

Name of sustainable method _____

_____ [3]

(f) **Gentrification** sometimes occurs in MEDC cities.

(i) State the meaning of the term **gentrification**.

_____ [2]

Examiner Only	
Marks	Remark

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