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Candidate Signature									

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General Certificate of Secondary Education
June 2005

GEOGRAPHY (SPECIFICATION A)
Foundation Tier
Short Course

3036/F



F

Monday 6 June 2005 9.00 am to 10.30 am

In addition to this paper you will require:

- the Ordnance Survey map extract (enclosed);
- the colour insert (enclosed).

You may use a calculator.

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

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** – **Skills**
Answer **ALL** questions.
- **SECTION B** – Answer **TWO** questions only.
- **SECTION C** – Answer **ONE** question only.

- 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 70.
- Mark allocations 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 where appropriate.
- An LEDC is a Less Economically Developed Country.
- An MEDC is a More Economically Developed Country.

3036/F

SECTION A

Answer **ALL** questions in Section A.

1

Total for this question: 10 marks

Study **Figure 1**, the Ordnance Survey map extract of Reading in southern England.

- (a) Give the **four figure** grid reference for the principal railway station in Reading.

.....
(1 mark)

- (b) Give the highest point in metres in grid square 7378.

..... metres
(1 mark)

- (c) Complete the following paragraph. It describes a journey along the M4 between junctions 12 and 11.

Cross out the **incorrect** word(s) so that the sentences are correct.

From Junction 12 the car headed **south-west / south-east** towards
 Junction 11. After 0.7 kilometres the car crossed the **railway line / Holy
 Brook river**. Much of the journey was across **flat / sloping** land past a
 series of **villages / lakes**.

(4 marks)

- (d) Describe the land uses in grid square 7877.

.....

(4 marks)

2

Total for this question: 6 marks

Study **Figure 1**, the Ordnance Survey map extract, and **Figure 2**, on the insert, an aerial photograph of Reading.

(a) Name the land uses shown at **X**, **Y** and **Z** on the aerial photograph.

X

Y

Z

(3 marks)

(b) Suggest **one** reason why settlement has avoided the area in the zone marked **Q**.

.....

.....

(1 mark)

(c) Suggest **two** pieces of evidence that the photograph was taken in the summer.

1

.....

2

.....

(2 marks)

6

Turn over ►

3

Total for this question: 4 marks

Study **Figure 3** which shows the percentage of people living in different areas of Reading who were born outside the UK.

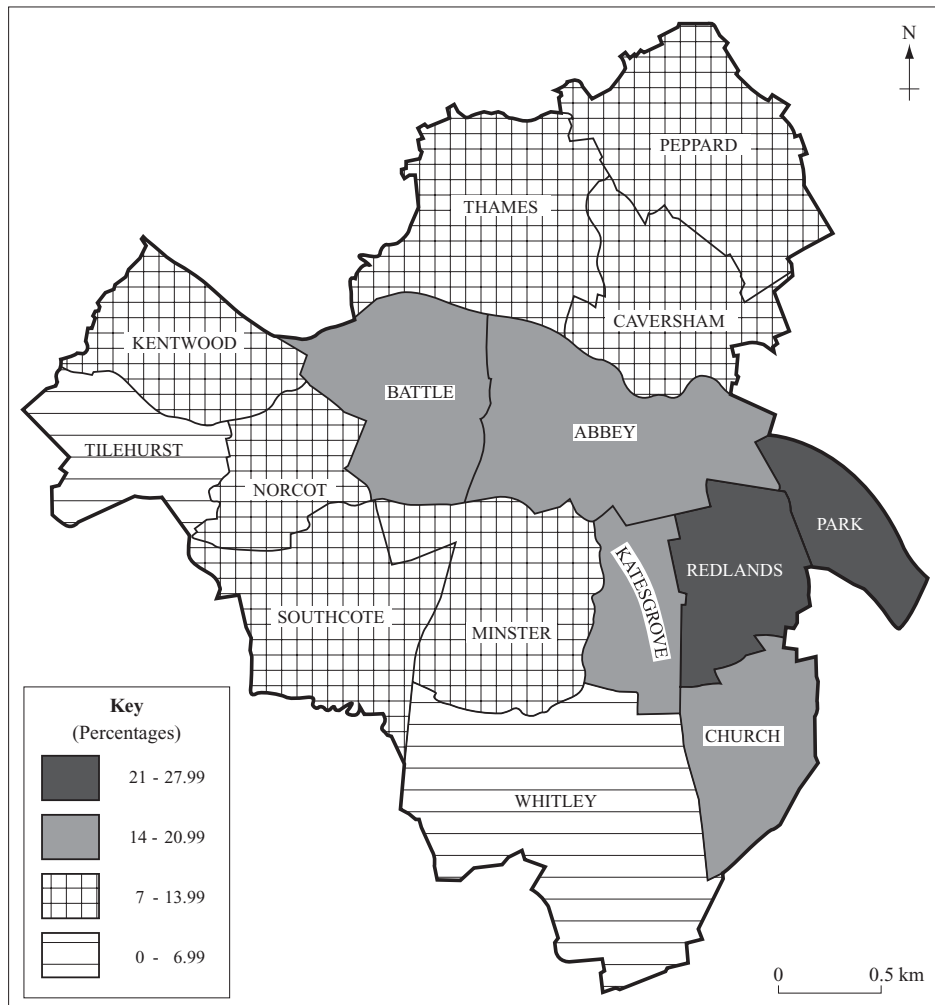


Figure 3

Using **Figure 3**, describe the distribution of people in Reading who were born outside the UK.

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(4 marks)

END OF SECTION A



TURN OVER FOR THE NEXT QUESTION

Turn over ►

SECTION B

Answer **TWO** questions only in Section B.

4 Tectonic Activity**Total for this question: 15 marks**

Study **Figure 4**, which shows the distribution of major earthquakes.

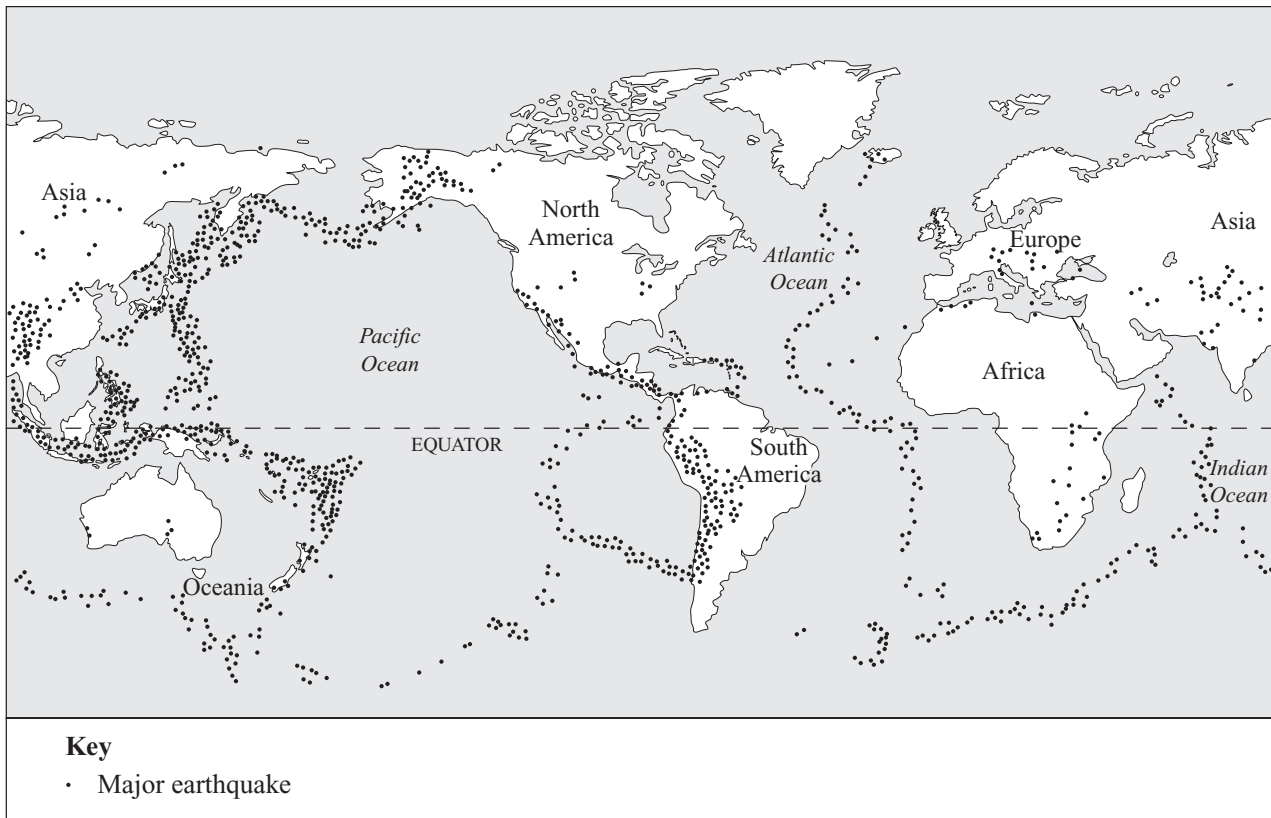


Figure 4

(a) (i) Tick the correct box to show whether each of the following statements is true or false.

	True	False
Many earthquakes have occurred around the edges of the Pacific Ocean.	<input type="checkbox"/>	<input type="checkbox"/>
There have been many earthquakes in Northern Europe.	<input type="checkbox"/>	<input type="checkbox"/>
There is a line of earthquakes through the middle of the Atlantic Ocean.	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

(ii) Explain the distribution of the earthquakes shown in **Figure 4**.

.....

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(2 marks)

QUESTION 4 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) Study **Figure 5**, which shows a cross-section through an area affected by an earthquake.

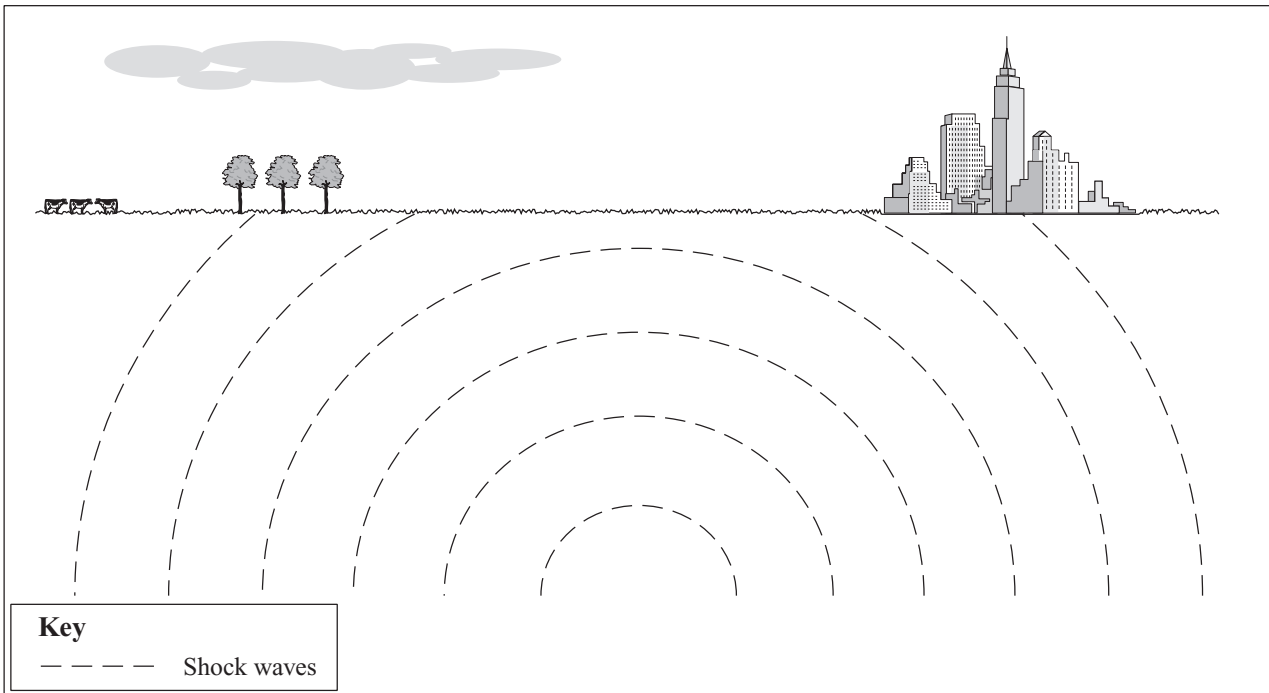


Figure 5

(i) On **Figure 5**, clearly mark and label the following:

Focus

Epicentre

(2 marks)

(ii) Place the letter **D** on **Figure 5** where you would expect the greatest loss of life to occur from the earthquake.

(1 mark)

(iii) Explain your chosen location for the letter **D**.

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(3 marks)

(c) For an earthquake **or** volcanic eruption you have studied, describe the ways in which people responded to the disaster.

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(4 marks)

TURN OVER FOR THE NEXT QUESTION

5 River Landscapes

Total for this question: 15 marks

(a) Study **Figure 6**, which shows part of a meandering river.

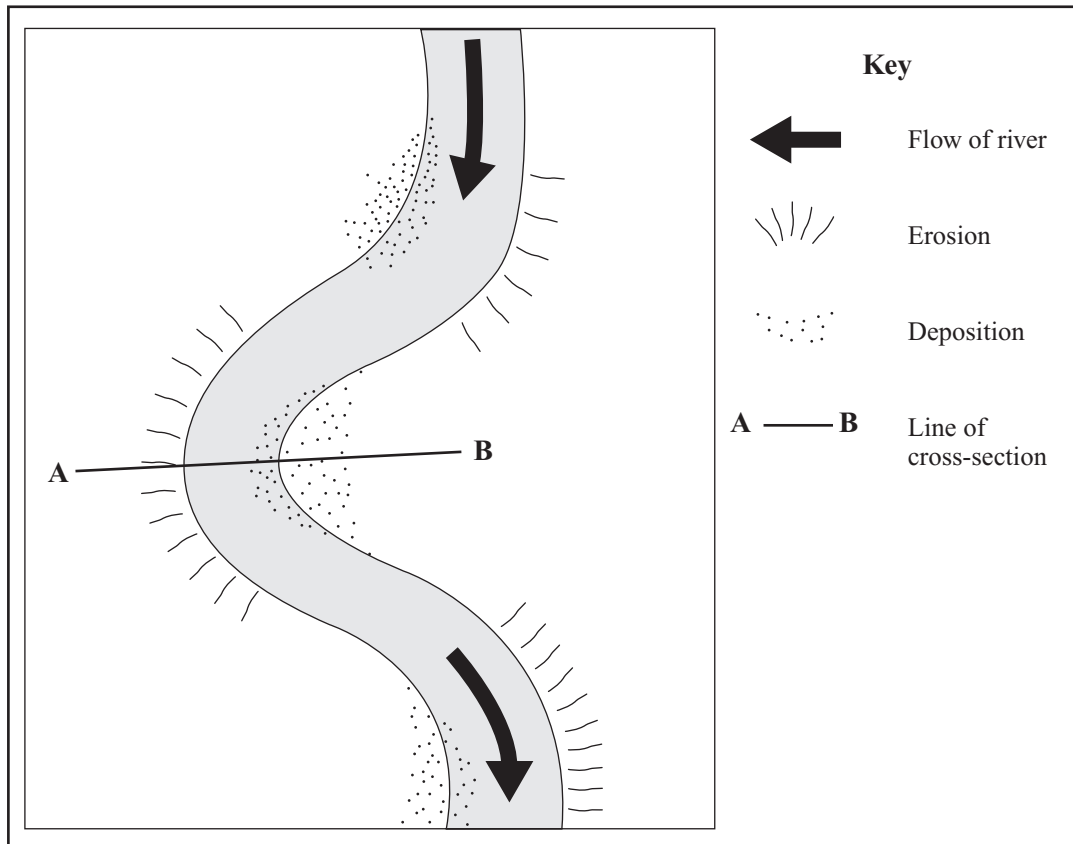


Figure 6

(i) What is a meander?

.....

 (1 mark)

(ii) On **Figure 6**, mark with an arrow and label the following:

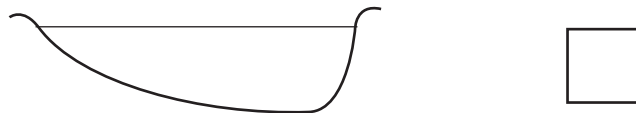
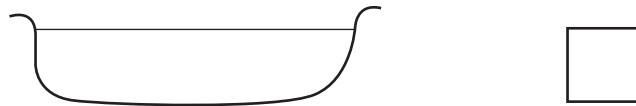
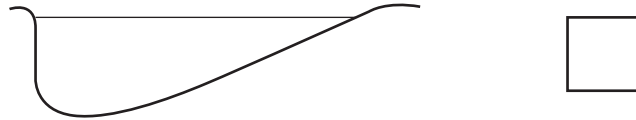
a slip-off slope

a river cliff

(2 marks)

(iii) Which of the following diagrams best shows the river's cross-section at **A–B** on **Figure 6**?

Tick the box next to the correct diagram.



(1 mark)

(iv) Explain how a slip-off slope and a river cliff are formed.

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(4 marks)

QUESTION 5 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) Study the list below of ways in which floods may be managed.
Tick **one** box for each method to show whether it is a hard or soft engineering strategy.

	Hard engineering	Soft engineering
Building dams.	<input type="checkbox"/>	<input type="checkbox"/>
Flood plain zoning.	<input type="checkbox"/>	<input type="checkbox"/>
Raising the height of levées.	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

(c) Study **Figure 7**, which shows flood plain zoning.

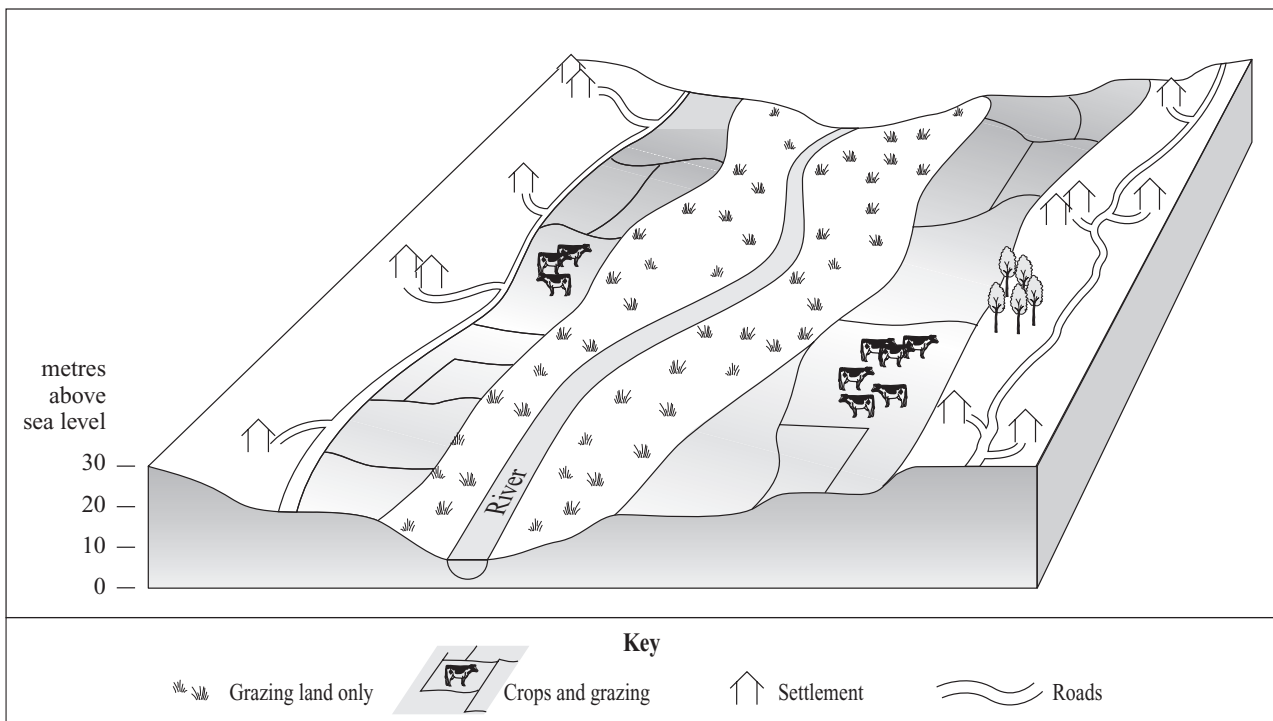


Figure 7

(i) Name the land use found closest to the river.

.....
(1 mark)

(ii) Explain why settlements and roads are much further away from the river.

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(3 marks)

15

TURN OVER FOR THE NEXT QUESTION

Turn over ►

6 Glacial Landscapes

Total for this question: 15 marks

(a) Study the list of glacial features below. Tick the correct box to show whether each glacial feature is formed by erosion or deposition.

	Erosion	Deposition
Corrie	<input type="checkbox"/>	<input type="checkbox"/>
Hanging Valley	<input type="checkbox"/>	<input type="checkbox"/>
Drumlin	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

(b) Study **Figure 8**, which shows some glacial moraines.

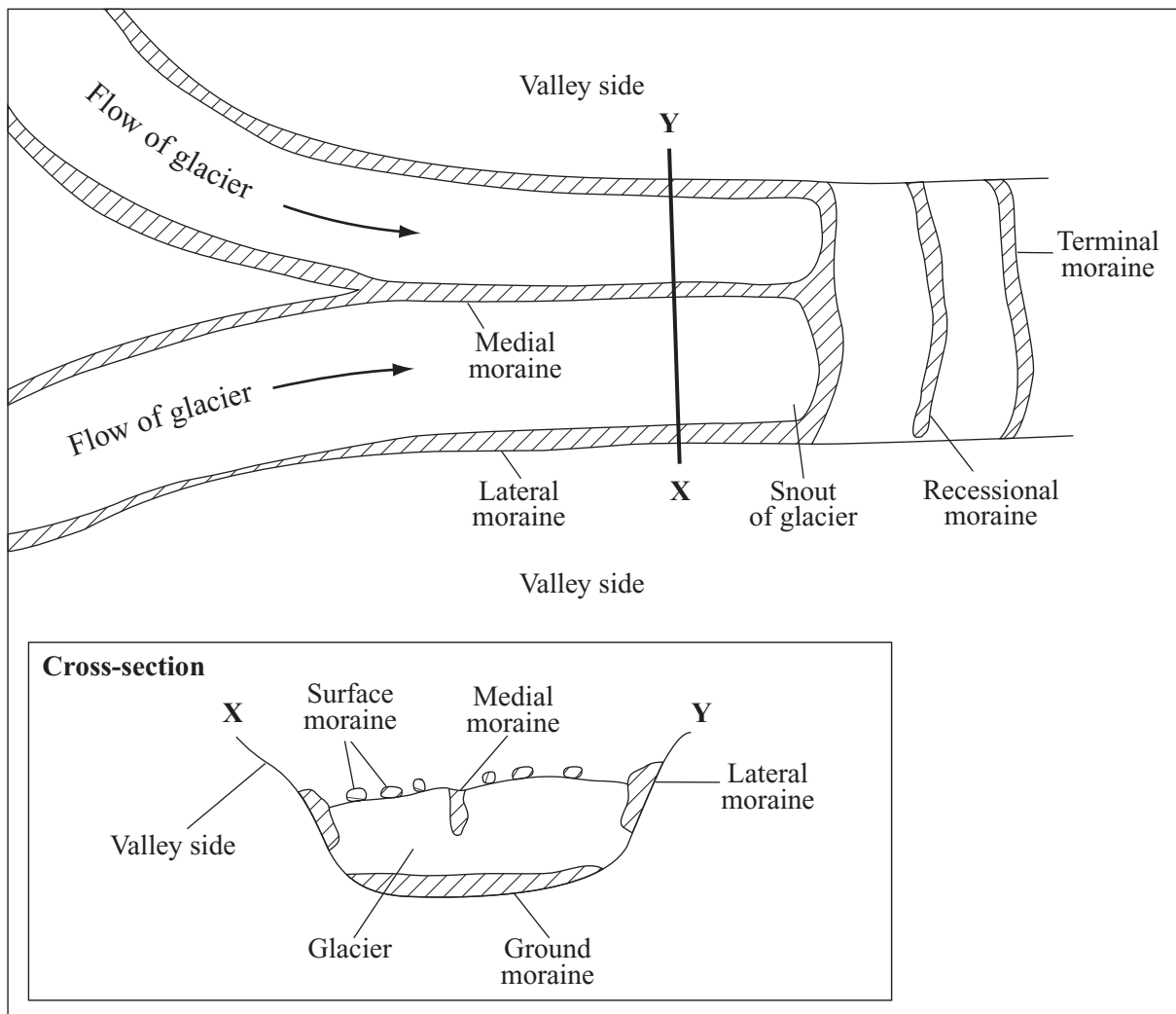


Figure 8

(i) Which moraine was formed at the furthest point the ice reached?

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.....

(1 mark)

(ii) Explain the formation of **one** type of glacial moraine.

Type of moraine:

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(4 marks)

(iii) What is boulder clay or till?

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(2 marks)

QUESTION 6 CONTINUES ON THE NEXT PAGE

Turn over ►

(c) Study **Figure 9**, on the insert, which shows a tourist activity in a glaciated area in Iceland.

(i) Describe the activity on offer for the visitor.

.....
.....

(1 mark)

(ii) Give **two** advantages of tourism in glaciated areas.

1

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(2 marks)

(iii) Explain **one** disadvantage of tourism in glaciated areas.

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(2 marks)

7 Coastal Landscapes**Total for this question: 15 marks**

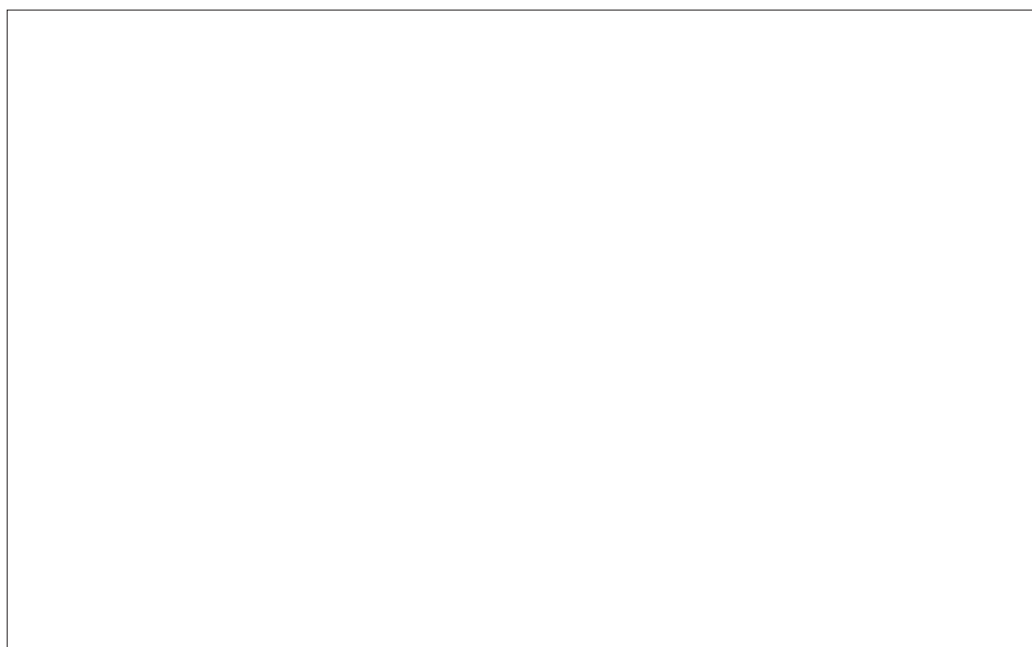
- (a) Study the list of coastal landforms below. Tick the correct box to show whether each coastal landform is formed by erosion or deposition

	Erosion	Deposition
Cliff	<input type="checkbox"/>	<input type="checkbox"/>
Beach	<input type="checkbox"/>	<input type="checkbox"/>
Spit	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

- (b) Study **Figure 10**, on the insert, which shows a coastline formed by erosion.

- (i) In the box below, draw a sketch to show the main features of **Figure 10**.

*(2 marks)*

- (ii) On your sketch, mark with an arrow and label the following:

an arch

a stack

*(2 marks)***QUESTION 7 CONTINUES ON THE NEXT PAGE****Turn over ►**

(iii) Explain how and why the arch may change in the future.

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(4 marks)

(c) Study **Figure 11**, on the insert, which shows a type of coastal protection.

(i) Describe the method of coastal protection shown.

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(2 marks)

(ii) Suggest how the method will protect the housing built along the coast.

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(2 marks)

END OF SECTION B

SECTION C

Answer **ONE** question in Section C, **either** Question 8, **or** Question 9, **or** Question 10.

8 Settlement**Total for this question: 20 marks**

Study **Figure 12**, a table showing information from the 2001 census. It refers to an inner city area of a large settlement.

<p><u>The People</u></p> <p>Total population 10 250</p> <p>Density of population 6 800 per square kilometre</p>	<p><u>Their work</u></p> <p>Total unemployed Male 15% Female 12%</p>
<p><u>Their cars</u></p> <p>Of the 3 800 households</p> <p>1 300 had no car 1 500 had one car 1 000 had two or more cars</p> <p>Of the 3 654 cars</p> <p>5% were garaged on the premises 16% were garaged elsewhere 75% were parked on the road 4% were parked elsewhere</p>	<p><u>Their homes</u></p> <p>Inside WC</p> <p>own use 80% shared 16% none 4%</p> <p>Bath/shower</p> <p>own use 72% shared 22% none 6%</p> <p>Overcrowded 10%</p>

Figure 12

(a) Are the following statements **true** or **false**?

	True	False
A higher percentage of males than females were unemployed.	<input type="checkbox"/>	<input type="checkbox"/>
22% of the households shared an inside WC.	<input type="checkbox"/>	<input type="checkbox"/>
Over half of the households did not have a car.	<input type="checkbox"/>	<input type="checkbox"/>

*(3 marks)***QUESTION 8 CONTINUES ON THE NEXT PAGE****Turn over ►**

- (b) Study **Figure 13**, a map showing part of the inner city area to which the information in **Figure 12** refers.

Map showing part of the inner city area - not reproduced here, due to third-party copyright constraints.

The engineering works have recently closed down and the local council wishes to improve the whole area.

The local council has suggested plans:	
to provide grants to improve the existing terraced houses;	<input type="checkbox"/>
to block off some of the roads and turn them into cul-de-sacs;	<input type="checkbox"/>
to demolish the engineering works and replace them with an industrial estate;	<input type="checkbox"/>
to demolish the engineering works and replace them with a park.	<input type="checkbox"/>

Tick **two** of the suggestions listed above.

Explain how each could improve the lives of the people living in the area.

1

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(4 marks)

QUESTION 8 CONTINUES ON THE NEXT PAGE

Turn over ►

(c) Study **Figure 14**, on the insert, an aerial photograph of Bristol’s rural–urban fringe.

(i) What is the rural–urban fringe?

.....
.....
(1 mark)

(ii) Name **two** types of urban land use shown in the photograph.

1
2
(2 marks)

(iii) For **one** of your chosen land uses in (c)(ii), give **two** reasons why it has developed in the rural–urban fringe.

Chosen land use

1
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2
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(2 marks)

(iv) Why are some people against developments in the rural–urban fringe?

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(4 marks)

(v) Describe **two** ways city planners have attempted to control urban sprawl.

1

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(4 marks)

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20

TURN OVER FOR THE NEXT QUESTION

Turn over ►

NO QUESTIONS APPEAR ON THIS PAGE

9 Agriculture

Total for this question: 20 marks

(a) Study **Figure 15**, which shows details of a farm in the United Kingdom.

INPUTS	PROCESSES	OUTPUTS
<ul style="list-style-type: none"> ● 2 full-time workers ● 2 tractors ● calves bought annually at market ● 1800 mm of rainfall (temperature range = 3 °C – 15 °C) ● grants from the EU 	<ul style="list-style-type: none"> ● keeping 200 sheep on 700 hectares of grazing land ● rearing calves from 3 months to 1 year old ● making hay on 20 hectares of pasture 	<ul style="list-style-type: none"> ● wool ● 180 fat lambs sent to market in July or August ● 80 one-year-old cattle sent to market

Figure 15

(i) Circle **one** word in **each** of the boxes A, B and C, to describe the farming system.

Box A	Box B	Box C
Pastoral	Commercial	Intensive
Arable	Subsistence	Extensive

(3 marks)

(ii) Explain how relief (height and shape of the land) may affect farming.

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(4 marks)

QUESTION 9 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) Study **Figure 16**, which shows the land use of Roves Farm in Wiltshire.

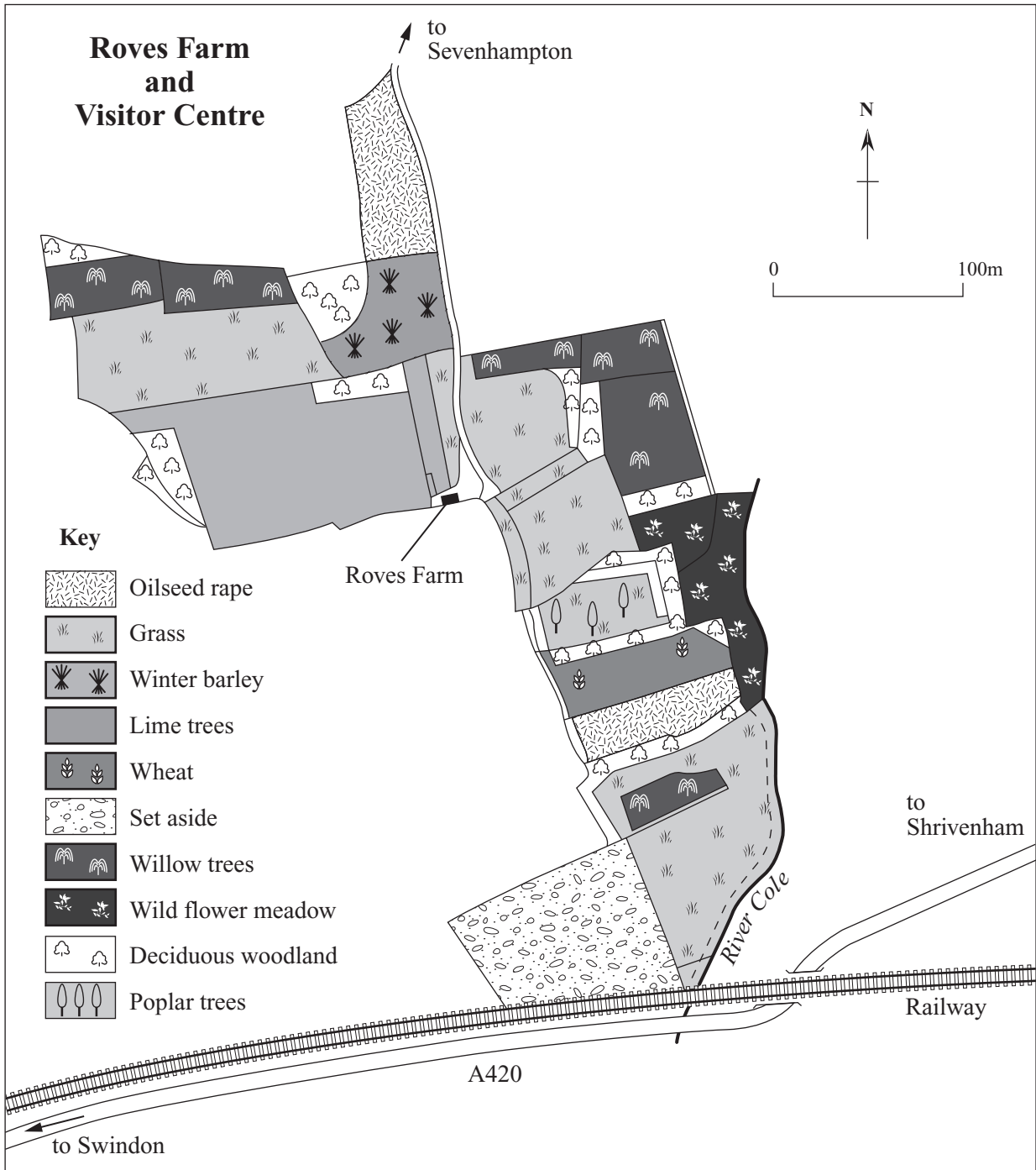


Figure 16

The following changes have taken place on the farm in recent years.

A visitor centre has been opened and the farm takes in Bed and Breakfast guests.	<input type="checkbox"/>
Some ponds have been made and an area of marsh established.	<input type="checkbox"/>
Between 3 and 14 hectares of land are set aside each year.	<input type="checkbox"/>
Between 1996 and 2000 the quota for sheep was reduced from 1280 to 750.	<input type="checkbox"/>

Tick **two** of the changes listed above.

Suggest why these **two** changes have taken place.

1

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(4 marks)

QUESTION 9 CONTINUES ON THE NEXT PAGE

Turn over ►

(c) Study **Figure 17**, on the insert, which is a photograph taken in Ethiopia, an LEDC in Africa.

(i) Name **two** types of land use shown in the photograph.

1

2

(2 marks)

(ii) **Figure 17** shows the effect of soil erosion.

What is soil erosion?

.....

.....

(1 mark)

(iii) Give **two** causes of soil erosion in LEDCs.

1

2

(2 marks)

(iv) Describe **two** methods of soil conservation.

1

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(4 marks)

NO QUESTIONS APPEAR ON THIS PAGE

TURN OVER FOR THE NEXT QUESTION

Turn over ►

10 Managing Resources**Total for this question: 20 marks**

- (a) Study **Figure 18**, which shows the contributions made to global warming by different parts of the world.

Map showing the contributions made to global warming by different parts of the world - not reproduced here, due to third-party copyright constraints.

- (i) Which part of the world contributes the highest percentage of carbon dioxide?

.....
(1 mark)

- (ii) Which of the following percentages is approximately the contribution made to global warming by LEDCs?

Circle the correct answer.

20%

40%

60%

(1 mark)

- (iii) Give **one** reason why MEDCs contribute so much to global warming.

.....
.....
(1 mark)

QUESTION 10 CONTINUES ON THE NEXT PAGE

Turn over ►

(b) The following are ways that countries could reduce global warming.

Change from fossil fuels to alternative energy sources	<input type="checkbox"/>
Develop public transport	<input type="checkbox"/>
Use taxes to increase the cost of fuel	<input type="checkbox"/>
Control deforestation	<input type="checkbox"/>

Tick **two** of the suggestions listed above.

Suggest how each could reduce the problem of global warming.

1

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.....

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2

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(4 marks)

(c) Study **Figure 19**, on the insert, the photographs of an important tourist area in an LEDC.

(i) Give **two** reasons why tourists are attracted to this area.

1

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2

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(2 marks)

(ii) Suggest why LEDCs are keen to develop tourism.

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(3 marks)

(iii) Explain **two** problems caused by the growth of tourism in LEDCs.

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(4 marks)

(iv) Describe the features of green tourism.

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(4 marks)

END OF QUESTIONS

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Question 8, Figure 14: KS3 Optional Tests and Tasks (SCAA) 1996.
Question 9, Figure 16: www.face-online.org.uk/profilepages. Farming and Countryside Education.
Question 9, Figure 17: Jean Poesen, Physical and Regional Geography Research Group, K.U. Leuven, Belgium.
Question 10, Figure 18: www.wri.org/wri/images/map-cartogram-globalwarming

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General Certificate of Secondary Education
June 2005



GEOGRAPHY (SPECIFICATION A)

Short Course Foundation Tier

3036/F

Insert

F

Figure 2 (for use with Question 2).
Figure 9 (for use with Question 6).
Figure 10 (for use with Question 7).
Figure 11 (for use with Question 7).
Figure 14 (for use with Question 8).
Figure 17 (for use with Question 9).
Figure 19 (for use with Question 10).

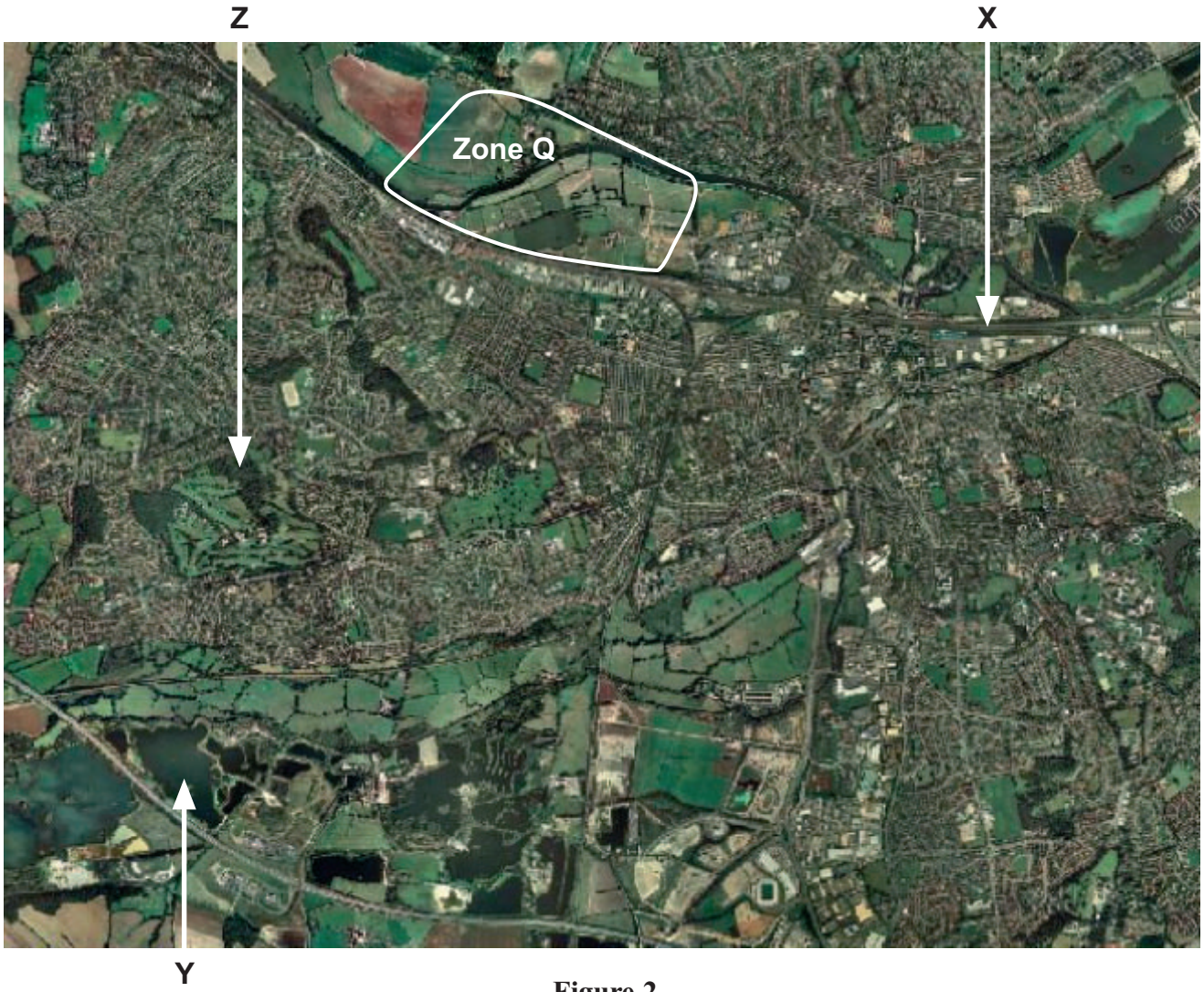


Figure 2



Figure 9

Turn over ►



Figure 10



Figure 11

Aerial photograph of Bradley Stoke, Bristol's rural-urban fringe
- not reproduced here due to third-party copyright constraints.

Turn over ►

Photograph taken in Ethiopia an LEDC in Africa - not reproduced here due to third-party copyright constraints.



Figure 19

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