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For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
TOTAL	



General Certificate of Secondary Education
Higher Tier
June 2010

Geography (Specification B)

40351H

H

Paper 1 Managing Places in the 21st century

Monday 14 June 2010 9.00 am to 10.00 am

For this paper you must have:

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

You may use a calculator.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **either** Section A (Question 1) **or** Section B (Question 2).
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.
- Use case studies to support your answers where appropriate.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 50.
- You are reminded of the need for good English and clear presentation in your answers. Where applicable, questions should be answered in continuous prose. Quality of Written Communication will be assessed in all answers.



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Section A – The Coastal Environment

Answer **either** Section A (Question 1) **or** Section B (Question 2).

Use case studies to support your answers where appropriate.

Total for this question: 50 marks

1 (a) Study **Figure 1** on the insert. **Figure 1** shows information about coastal development in Bahia, Brazil.

1 (a) (i) Suggest **two** ways that the natural environment attracts tourists to the coast of Bahia.

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(4 marks)

1 (a) (ii) Explain how coastal areas can provide opportunities for economic development.

Use **Figure 1** and your own knowledge.

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(4 marks)



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1 (b) (i) Explain how the development of coastal areas can damage local environments.

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Question 1 continues on the next page

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1 (b) (ii) Suggest how a coastal area could be protected from over-development.

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1 (c) (i) Name and describe **one** process of coastal erosion.

Name:

Description:

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(2 marks)

1 (c) (ii) Name and describe **one** process of weathering in coastal areas.

Name:

Description:

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(2 marks)



1 (d) (i) Study **Figure 2**. **Figure 2** shows a coastal spit.

Complete the diagram below.

Write the correct term in each box.

mudflats

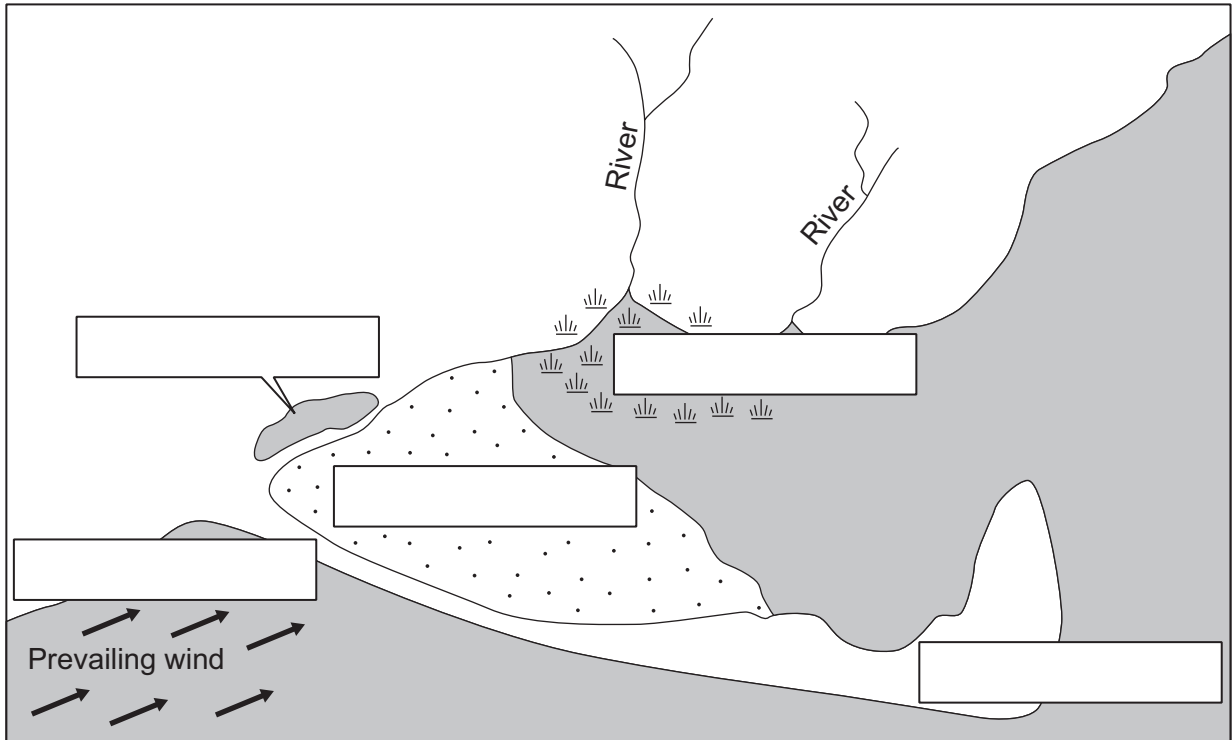
neck of spit

recurved end

salt marsh

saltwater lake

Figure 2



(4 marks)

1 (d) (ii) Suggest **one** reason why areas like those shown on **Figure 2** may have high environmental value.

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(2 marks)

Question 1 continues on the next page

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1 (e) Explain the formation of a coastal bar.

You may use a diagram to support your answer.

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1 (f) Different methods are used to protect coastal areas from the effects of physical processes.

1 (f) (i) What is 'soft coastal engineering'?

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(2 marks)

1 (f) (ii) Explain how hard engineering can be used to protect coastal areas.

Use an example(s) you have studied.

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Question 1 continues on the next page

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1 (g) Study **Figure 3** on the insert. **Figure 3** shows an example of managed retreat in a coastal area.

Explain how the method of managed retreat works.

Use **Figure 3** and your own knowledge.

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End of Section A

Turn over ▶



Section B – The Urban Environment

Answer **either** Section A (Question 1) **or** Section B (Question 2).

Use case studies to support your answers where appropriate.

Total for this question: 50 marks

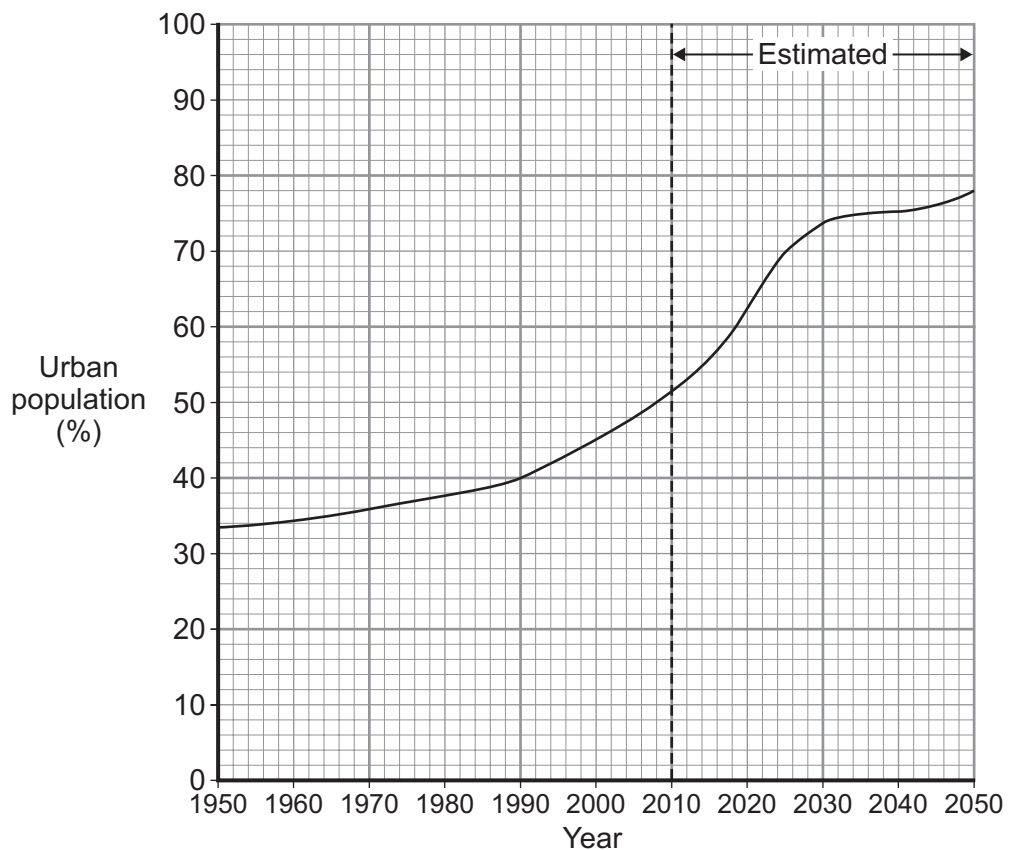
2 (a) Study **Figure 4**. **Figure 4** gives information about living in an urban world.

Figure 4

Living in an urban world

In 1950, one person in three lived in a town or city. By 2008, half of the world's population lived in urban areas. The urban population is expected to increase to 70% by 2025.

In 1950, New York (USA) was the only city with a population of over 10 million. By 2015 it is estimated that there will be 27 cities with a population of over 10 million – 21 of them in less developed countries. Urban populations are growing faster in less developed countries. This growth is often linked to rapid economic development.



2 (a) (i) Describe the changes in urban population between 1950 and 2020 as shown on the graph in **Figure 4**.

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(2 marks)

2 (a) (ii) Suggest **one** reason why the rate of urbanisation is expected to slow down after 2030.

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(2 marks)

2 (a) (iii) Explain why people move from rural to urban areas in less developed countries.

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2 (b) Explain how urban areas in less developed countries provide opportunities for economic development.

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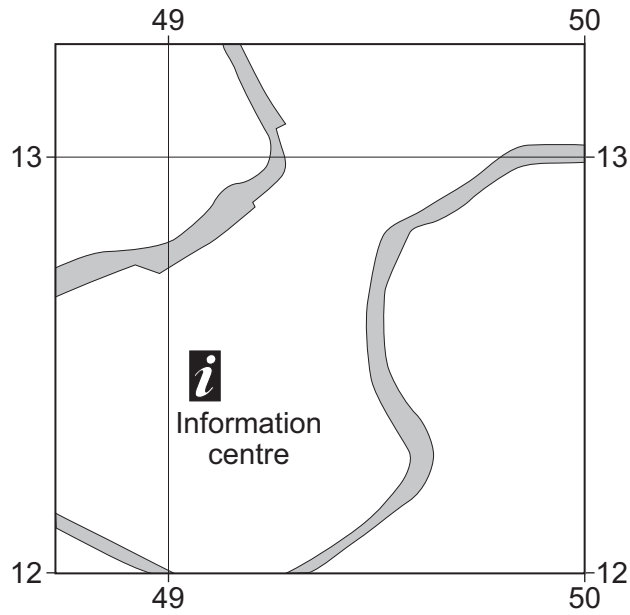
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- 2 (c) Study **Figure 5**, an Ordnance Survey map extract showing the town of Shrewsbury.
- 2 (c) (i) Add **four** more pieces of evidence to the diagram below which show that this area is Shrewsbury's town centre.



(4 marks)

- 2 (c) (ii) Suggest why parts of Shrewsbury are at risk of flooding.

Use evidence from the Ordnance Survey map extract, **Figure 5**.

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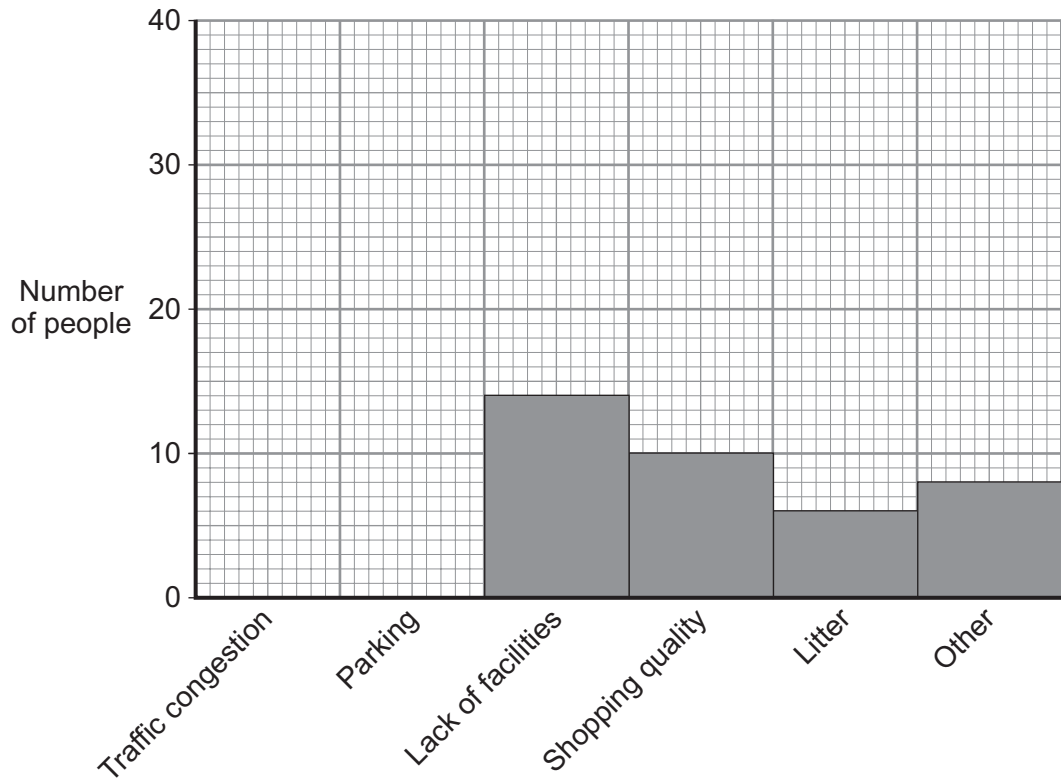
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- 2 (e) (i)** One hundred people were asked what they thought was the main problem in Shrewsbury town centre.

The graph below shows the results of the survey.



Complete the graph. Use the information below.

Traffic congestion = 38 people

Parking = 24 people

(2 marks)

Question 2 continues on the next page

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2 (e) (ii) Suggest why traffic congestion is a problem in Shrewsbury town centre.

Use evidence from the Ordnance Survey map extract, **Figure 5**.

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(4 marks)

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2 (e) (iii) How far is the ring road (A49/A5) from Shrewsbury town centre?

Circle the correct answer.

less than 2 km

2 – 5 km

more than 5 km

(1 mark)

2 (e) (iv) What method of traffic management is shown in grid square 4513?

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(1 mark)



2 (f) Explain how the development of public transport is reducing traffic pressures in urban areas.

Use an example(s) you have studied.

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2 (g) Study Figure 6 on the insert, about a new settlement being built in Devon.

Explain how planners are trying to ensure that Sherford is a sustainable settlement.

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END OF QUESTIONS



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Question 1 Figure 1 © Jupiterimages

Question 2 Figure 6 Illustration by CHRISTOPHER DRAPER for Red Tree.

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