

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1a	
1b	
1c	
1d	
1e	
1f	
2a	
2b	
2c	
2d	
2e	
2f	
TOTAL	



General Certificate of Secondary Education
Foundation Tier
January 2013

Geography (Specification B)

40351F

F

Unit 1 Managing Places in the 21st Century

Monday 21 January 2013 1.30 pm to 2.30 pm

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 56.
- 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.
- Spelling, Punctuation and Grammar will be assessed in Questions 1 (c)(ii) and 1 (f)(ii) in Section A and in Questions 2 (d) and 2 (f) in Section B. The marks for Spelling, Punctuation and Grammar (**SPaG**) are shown below the mark allocation for each question.



J A N 1 3 4 0 3 5 1 F 0 1

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

Section A – The Coastal Environment

Use case studies to support your answers where appropriate.

Total for this question: 56 marks

1 (a) Study **Figure 1** on the insert. **Figure 1** gives information about the coastal city of Rio de Janeiro.

1 (a) (i) Name the ocean that borders Brazil.

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(1 mark)

1 (a) (ii) In which part of Brazil is Rio de Janeiro?

Circle the correct answer.

north-east

west

north-west

south-east

(1 mark)

1 (a) (iii) The physical environment attracts many visitors to Rio de Janeiro.

Give **two** reasons why.

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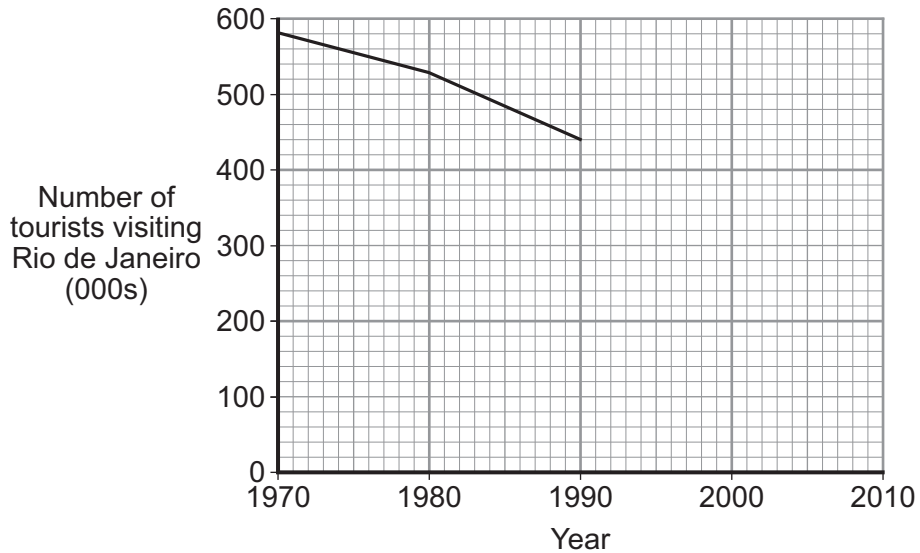
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(2 marks)



1 (a) (iv) Complete the graph. Use the information below.

Year	Number of tourists visiting Rio de Janeiro (approx.)
2000	380 000
2010	370 000



(2 marks)

1 (a) (v) Suggest **two** reasons why the number of tourists visiting Rio de Janeiro declined between 1970 and 2010.

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

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(4 marks)

Question 1 continues on the next page

Turn over ►



1 (a) (vi) Explain why some coastal areas are called 'multi-use' areas.

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(4 marks)

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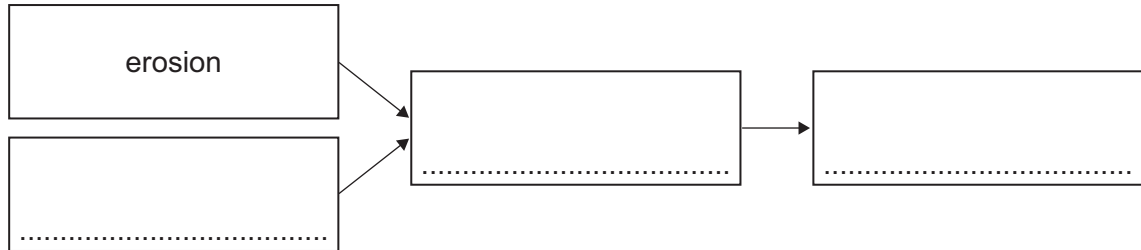
1 (b) Complete the following diagram to show how coastal processes are linked.

Use the following words.

deposition

transportation

weathering



(2 marks)

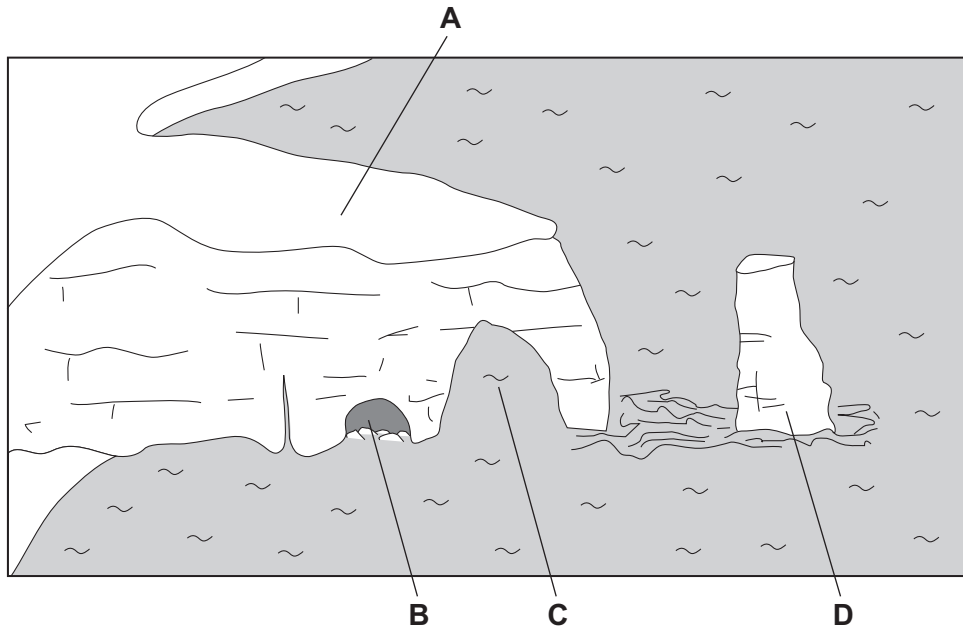
Question 1 continues on the next page

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1 (c) Study **Figure 2**. **Figure 2** shows a hard coastline.

Figure 2



1 (c) (i) Name the features identified in **Figure 2**.

Choose the correct terms from the list below.

arch cave crack headland stack wave-cut platform

	Name of feature
A	
B	
C	
D	

(4 marks)



1 (c) (ii) Explain how the processes of erosion have formed the features shown in **Figure 2**.

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(6 marks)
SPaG: 3 marks

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Question 1 continues on the next page

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1 (d) (i) The following paragraph describes the processes affecting soft coastlines.

Complete the paragraph below.

Choose the **four** correct terms from the list below.

weathering strong longshore drift structure landslides

The rocks that make up soft coastlines are not very

They are easily affected by the processes of and erosion.

A good example is where cliffs are made of clay. Rainfall weakens the

..... of the clay, resulting in slumping and

(4 marks)

1 (d) (ii) Study **Figure 3** on the insert. **Figure 3** shows part of a rapidly eroding coastline.

Describe **two** pieces of evidence which suggest that rapid coastal erosion is taking place in the area shown in **Figure 3**.

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(4 marks)



1 (e) Study **Figure 4** on the insert. **Figure 4** shows examples of hard coastal engineering.

1 (e) (i) Name the types of hard coastal engineering labelled **A**, **B** and **C** on **Figure 4**.

Choose from the list below.

gabions

groyne

rock armour

sea wall

Type of engineering	
A	
B	
C	

(3 marks)

1 (e) (ii) Explain how hard engineering protects coastal areas from the effects of the sea.

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(4 marks)

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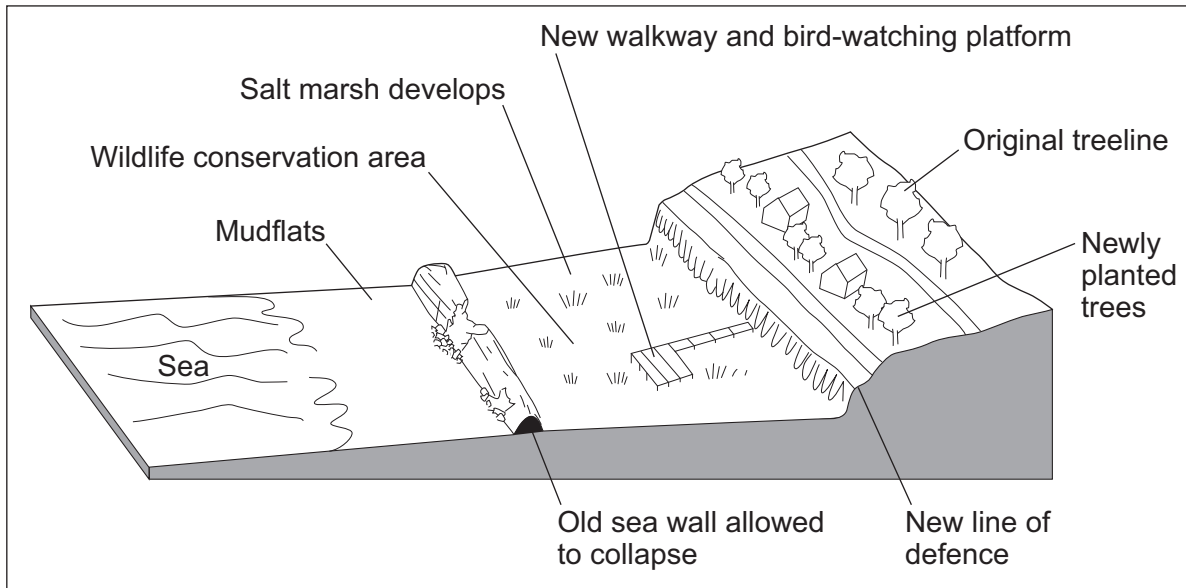
Question 1 continues on the next page

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1 (f) Study **Figure 5**. **Figure 5** shows a managed retreat scheme in a coastal area.

Figure 5



1 (f) (i) Describe how the managed retreat scheme shown in **Figure 5** has benefited people and the environment.

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(3 marks)



1 (f) (ii) Explain how managed retreat is used to protect some coastal areas.

Use **Figure 5** and your own knowledge.

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(6 marks)
SPaG: 3 marks

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End of Section A

Turn over ▶



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

Section B – The Urban Environment

Use case studies to support your answers where appropriate.

Total for this question: 56 marks

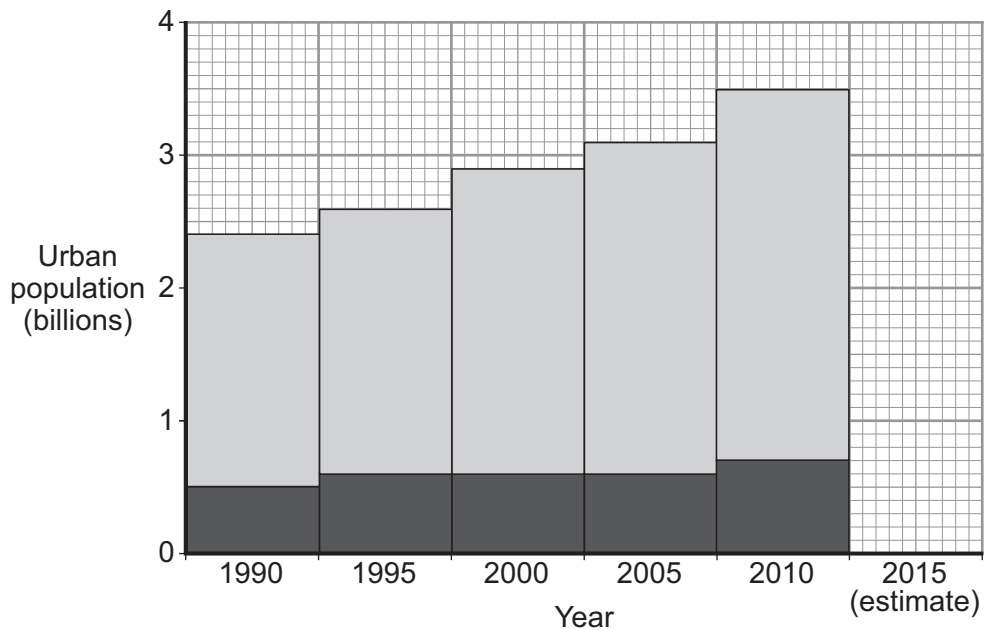
2 (a) Study **Figure 6**. **Figure 6** shows changes to urban populations.



Figure 6

	1990	1995	2000	2005	2010	2015 (estimate)
Less developed countries	1.9	2.0	2.3	2.5	2.8	3.2
More developed countries	0.5	0.6	0.6	0.6	0.7	0.7

Urban population (billions)

2 (a) (i) Complete the graph. Use the information from **Figure 6**.



Key	
	Less developed countries
	More developed countries

(3 marks)



2 (a) (ii) Use **Figure 6** to complete the following paragraph.

Choose the **four** correct answers from the list below.

- | | | | |
|-----------------|------------|----------------|-------------|
| increase | 3.2 | quickly | 1990 |
| decrease | 2.8 | slowly | 2000 |

The number of people living in urban areas in less developed countries increased from 1.9 billion in 1990 to billion in 2010. It is expected to up to 2015. In more developed countries the number of people living in urban areas has increased since 1990, reaching 0.7 billion in 2010, an increase of 0.2 billion since

(4 marks)

2 (a) (iii) Which **two** of the following statements are true?

Tick the correct boxes.

Urbanisation is the growth of population.	<input type="checkbox"/>
Migration is the movement of population.	<input type="checkbox"/>
Natural increase is where the size of an urban area increases.	<input type="checkbox"/>
Urbanisation is where a growing proportion of the population lives in towns and cities.	<input type="checkbox"/>

(2 marks)

Question 2 continues on the next page

Turn over ►



2 (b) (i) Study **Figure 7** on the insert. **Figure 7** shows part of a city in a less developed country.

Explain how urban growth creates environmental problems in less developed countries.

Use **Figure 7** and your own knowledge.

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(4 marks)

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2 (b) (ii) Explain how urban areas in less developed countries can provide economic opportunities for local people.

Use an example(s) you have studied.

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(4 marks)

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Question 2 continues on the next page

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2 (c) Study **Figure 8**. **Figure 8** is an Ordnance Survey map extract showing the city of York and the surrounding area.

The Ordnance Survey map extract has been removed due to third-party copyright constraints.

Please refer to Landranger Map 105, York (eastings 55–66, northings 47–58).

Copies of this question paper can be purchased online from the AQA shop, and each question paper includes an Ordnance Survey map extract.

2 (c) (i) Give the four-figure reference for York railway station.

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(1 mark)

2 (c) (ii) Complete the sentences below.

Circle the correct answer in **each** set of brackets.

York city centre is in grid square [**6250** / **6051** / **6151**].

The city of York is approximately [**4 km** / **8 km** / **11 km**] from west to east.

The main type of land use in grid square 6351 is [**industry** / **farming** / **housing**].

The recreational facility in grid square 6153 is a

[**leisure centre** / **nature reserve** / **golf course**].

(4 marks)

2 (c) (iii) Suggest **two** reasons why traffic congestion is a problem in the centre of York.

Use evidence from **Figure 8**.

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(4 marks)



2 (c) (iv) Identify **two** methods used to reduce traffic congestion in York.

Use evidence from **Figure 8**.

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(2 marks)

2 (c) (v) Describe **one other** method that could be used to reduce traffic congestion in town centres.

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(2 marks)

2 (c) (vi) The centre of York has been affected by flooding.

Suggest **two** reasons why parts of York are at risk of flooding.

Use evidence from **Figure 8**.

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(4 marks)

Question 2 continues on the next page

Turn over ►



2 (d) Explain how the effects of a natural hazard in an urban area can be reduced.
Use an example of an urban area you have studied.

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(6 marks)
SPaG: 3 marks

Extra space

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2 (e) Study **Figure 9** on the insert. **Figure 9** is an article written in 2011 which gives information about the Olympic Games site in East London.

Describe **two** ways in which the environment has been improved by the Olympic regeneration project.

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(4 marks)

Question 2 continues on the next page

Turn over ►



