

Centre Number						Candidate Number				
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Other Names										
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For Examiner's Use	
Examiner's Initials	
Question	Mark
1a	
1b	
1c	
1d	
1e	
1f	
2a	
2b	
2c	
2d	
2e	
2f	
2g	
2h	
TOTAL	



General Certificate of Secondary Education
Higher Tier
January 2013

Geography (Specification B)

40351H

H

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)(i) in Section A and in Questions 2 (f) and 2 (h) 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 H 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) Describe the range of economic activities found in coastal areas.

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

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(4 marks)

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1 (a) (ii) Describe how development can damage coastal environments.

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

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(6 marks)

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Question 1 continues on the next page

Turn over ▶



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

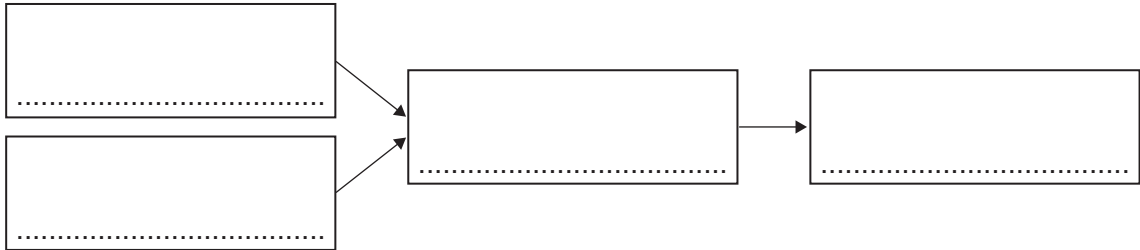
Use the following words.

deposition

erosion

transportation

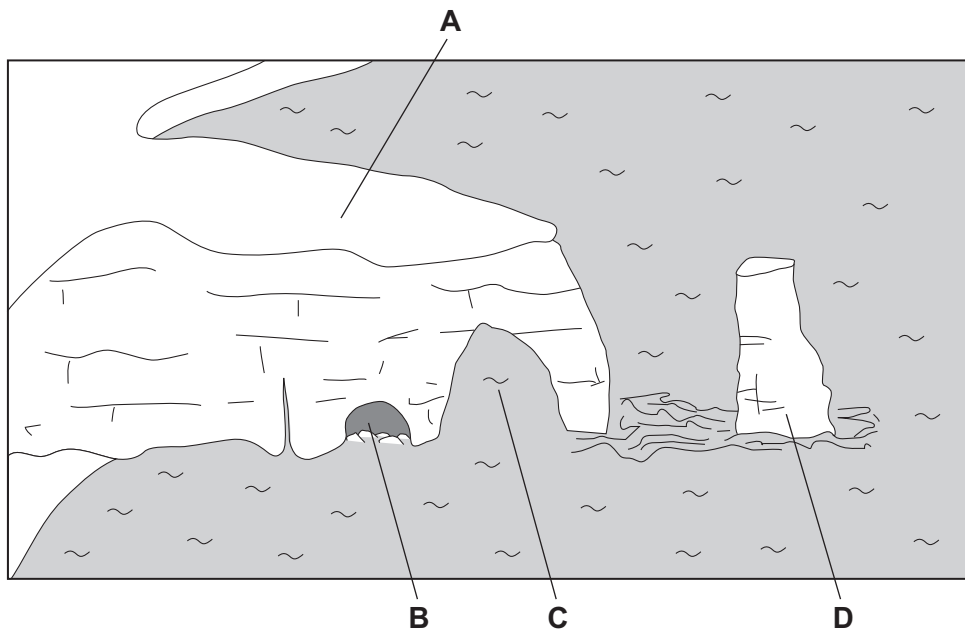
weathering



(3 marks)

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

Figure 2



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

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) Study **Figure 3** on the insert. **Figure 3** shows part of a coastline.

1 (d) (i) Identify **two** pieces of evidence in **Figure 3** which suggest that rapid coastal erosion is affecting this area.

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(2 marks)

1 (d) (ii) Explain why soft coastlines erode rapidly.

You may use a diagram.

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(4 marks)

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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**.

A

B

C

(3 marks)

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

Use an example(s) you have studied.

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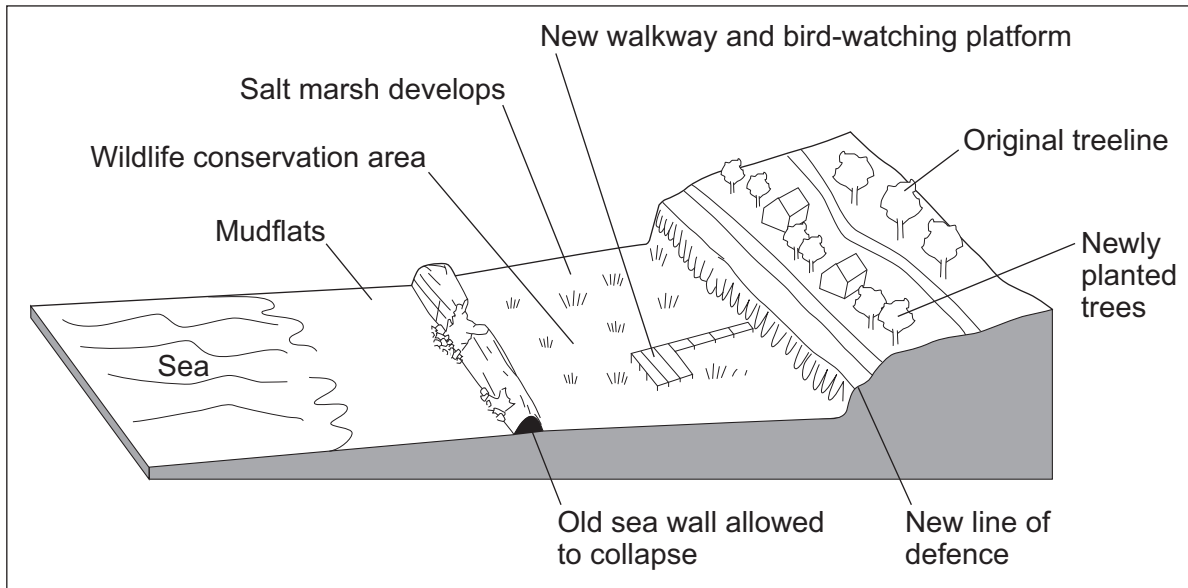
Question 1 continues on the next page

Turn over ►



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

Figure 5



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

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

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(8 marks)
SPaG: 3 marks

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1 (f) (ii) Suggest how managed retreat can create opportunities for:

environmental conservation

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recreational activities.

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(4 marks)

56

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) Describe the change to urban population in less developed countries from 1990 to 2015 (estimate).

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(2 marks)

2 (a) (ii) What is meant by:

natural increase

population migration?

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(2 marks)



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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2 (b) (ii) Describe how urban growth creates social and economic opportunities for people living in urban areas in less developed countries.

Use an example(s) you have studied.

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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 six-figure grid reference for York bus station.

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(1 mark)

2 (c) (ii) What is the straight line distance, to the nearest km, from the road junction (5551) to the main road junction (6451)?

..... km

(1 mark)

2 (c) (iii) Parts of the city of York are often affected by flooding.

Suggest why there may be flooding in grid square 5853.

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(2 marks)

2 (c) (iv) Describe **one** problem that flooding might cause in York city centre.

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(2 marks)

Question 2 continues on the next page

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2 (d) Traffic congestion is a problem in the city of York.

Suggest how the development of the shopping centre (6047):

- could reduce the problem of traffic congestion in York city centre

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(2 marks)

- could increase traffic problems in the York area.

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(2 marks)

2 (e) Explain how traffic congestion can be reduced in urban areas.

Use an example(s) you have studied.

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2 (f) 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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SPaG: 3 marks

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2 (g) 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.

2 (g) (i) Suggest **one** reason why an urban area in a more developed country might need a regeneration project.

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(2 marks)

2 (g) (ii) Explain how improving urban areas using 'greening' initiatives could benefit both people and the environment.

Use **Figure 9** and your own knowledge.

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2 (h) Explain how a redevelopment project has improved socio-economic conditions for local people.

Use an example you have studied.

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END OF QUESTIONS



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