

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

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



General Certificate of Secondary Education
Higher Tier
June 2011

Geography (Specification B)

40351H

H

Unit 1 Managing Places in the 21st Century

Monday 13 June 2011 9.00 am to 10.00 am

For this paper you must have:

- the insert (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.



J U N 1 1 4 0 3 5 1 H 0 1

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ANSWER IN THE SPACES PROVIDED**



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: 50 marks

1 (a) Study **Figure 1** on the insert. **Figure 1** shows information about the coastal state of Florida.

1 (a) (i) Describe how the resident population of Florida changed between 1980 and 2010.

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(2 marks)

1 (a) (ii) Suggest **two** reasons for the change to the resident population in Florida between 1980 and 2010.

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(2 marks)

Question 1 continues on the next page

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1 (a) (iii) Describe how development might damage coastal environments.

Use **Figure 1** and an example(s) you have studied.

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1 (a) (iv) Give **one** way that environments are protected in Florida.

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(1 mark)



1 (b) Study **Figure 2** on the insert.

1 (b) (i) **Figure 2** shows differences in the level of wave energy on the coast of the Isle of Wight in Southern England.

Describe and suggest reasons for these differences.

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1 (b) (ii) Suggest how the level of wave energy might affect rates of coastal erosion.

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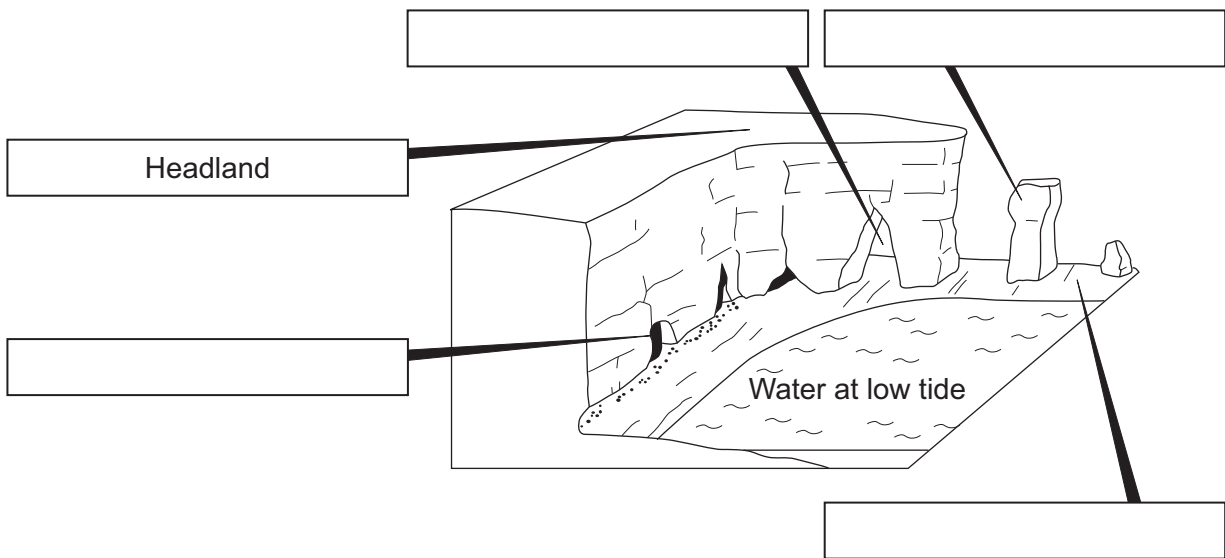
(2 marks)

1 (c) Study Figure 3. Figure 3 shows coastal landforms.

1 (c) (i) Complete Figure 3.

Write the names of the coastal landforms in the boxes.

Figure 3



(4 marks)



1 (c) (ii) Explain how processes of erosion have created the landforms shown in **Figure 3**.

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

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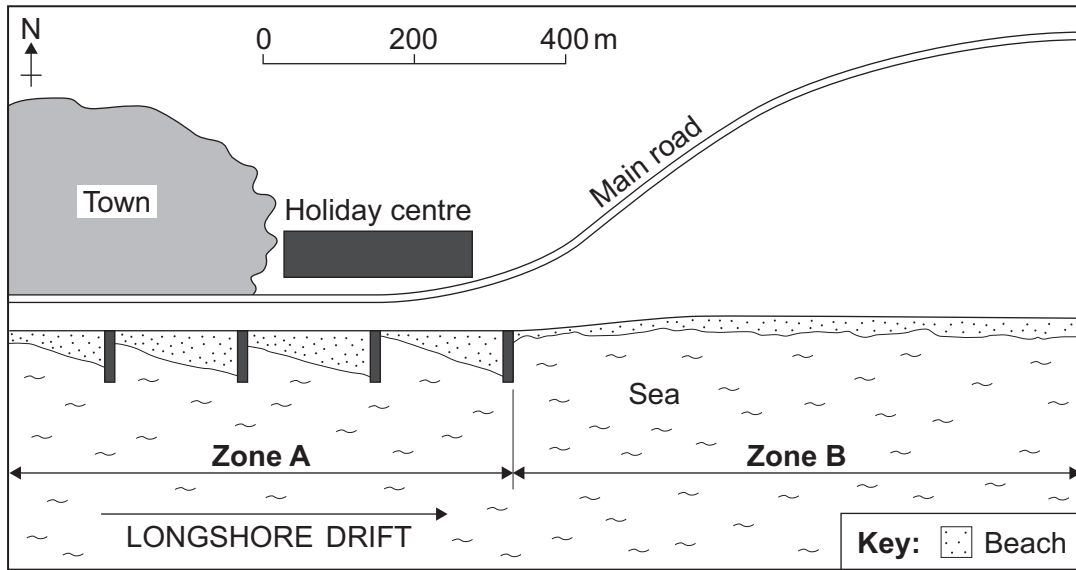
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1 (d) Study Figure 4. Figure 4 shows a coastal area.

Figure 4



1 (d) (i) Describe and explain the differences between the beach in **Zone A** and the beach in **Zone B**.

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1 (d) (ii) Some coastal areas are protected from the effects of coastal processes.
Explain why.

Use **Figure 4** and your own knowledge.

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Question 1 continues on the next page

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1 (e) Study **Figure 5** on the insert. **Figure 5** is a photograph of an area where soft coastal engineering is happening.

Describe methods of soft coastal engineering.

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

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1 (f) Explain how long-term planning can be used to manage the threat from rising sea levels in coastal areas.

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End of Section A

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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: 50 marks

2 (a) Study **Figure 6**. **Figure 6** shows estimated population change in a number of cities.

Figure 6

			Population (millions)	
	Country	City	2000	2015 (est)
More Developed Countries	UK	London	10	11
	USA	Los Angeles	12	14
	USA	New York	16	16
	Japan	Tokyo	27	28
Less Developed Countries	Indonesia	Jakarta	14	22
	India	Kolkata	14	21
	Nigeria	Lagos	12	24
	Brazil	Sao Paulo	17	22

2 (a) (i) Which of these cities is predicted to have the largest increase in population between 2000 and 2015?

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(1 mark)

2 (a) (ii) Use **Figure 6**. Compare the estimated population changes of cities in more developed countries with those of cities in less developed countries.

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2 (a) (iii) Give **two** reasons why people in less developed countries are attracted to urban areas.

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(2 marks)

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

2 (b) (i) Explain the challenges created by urban growth in less developed countries.

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

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2 (b) (ii) Describe how conditions in urban areas are being improved 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 part of Greater Manchester.

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

2 (c) (i) Give the six-figure grid reference for Swinton railway station.

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..... (1 mark)

2 (c) (ii) What is the straight line distance, to the nearest km, from Moorside railway station (7602) to Clifton railway station (7902)?

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2 (c) (iii) Identify **two** recreational facilities shown on the map extract.

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2 (c) (iv) Suggest **two** reasons why there are few buildings in most of grid square 8002.

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2 (c) (v) Describe the environmental hazards found in urban/industrial areas.

Use **Figure 8** and your own knowledge.

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2 (d) Traffic congestion is a problem in many urban areas.
Explain how traffic congestion can be reduced.

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2 (e) A survey measured the quality of life in three different areas within a city in a more developed country.

Study **Figure 9**. **Figure 9** gives information about the three areas surveyed.

Figure 9

	Area			Scale
	A	B	C	
Quality of housing	3	9	7	1 = poor 10 = good
Level of income	3	10	6	
Level of personal safety	2	8	4	
Air quality	4	9	5	
Total quality of life score	12	36	22	

Describe and explain how a redevelopment project could improve the quality of life in **Area A**.

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