

Centre Number						Candidate Number				
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For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
TOTAL	



General Certificate of Secondary Education
Higher Tier
June 2012

Geography (Specification B)

40351H

H

Unit 1 Managing Places in the 21st Century

Thursday 14 June 2012 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.



J U N 1 2 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: 50 marks

1 (a) Study **Figure 1** on the insert. **Figure 1** gives information about San Francisco, a coastal city in the United States of America (USA).

1 (a) (i) Describe the main change to the population of the city of San Francisco between 1940 and 2010.

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(2 marks)

1 (a) (ii) Explain how coastal areas offer opportunities for the development of economic activities.
Use **Figure 1** and your own knowledge.

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(6 marks)



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1 (b) Weathering and erosion are physical processes that affect coastal areas.

What is meant by:

weathering?

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erosion?

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(4 marks)

Question 1 continues on the next page

Turn over ►



1 (c) Study **Figure 2**. **Figure 2** is an Ordnance Survey map extract* showing part of the coast of Devon.

1 (c) (i) What is the distance, to the nearest kilometre (km), from Langstone Rock (979779) to the marina at Exmouth (993807)?

..... km

(1 mark)

1 (c) (ii) Use map evidence to describe the physical characteristics of the spit shown in **Figure 2** (Dawlish Warren).

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(3 marks)

1 (c) (iii) Suggest why groynes were built on the spit at Dawlish Warren.

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(2 marks)

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

Please refer to Explorer Map 110, Torquay and Dawlish (eastings 95–00, northings 75–82).

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



1 (c) (iv) Explain the formation of a coastal spit. You may use a diagram.

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1 (c) (v) Describe how the area shown on the Ordnance Survey map extract is used for recreation and leisure activities.
Use map evidence in your answer.

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1 (c) (vi) Suggest how economic development and the need for conservation might cause conflict in coastal areas.
Use **Figure 2** and your own knowledge.

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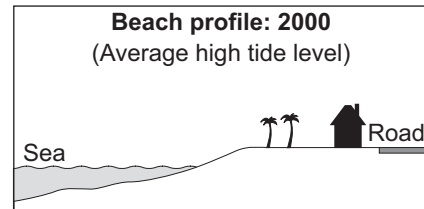
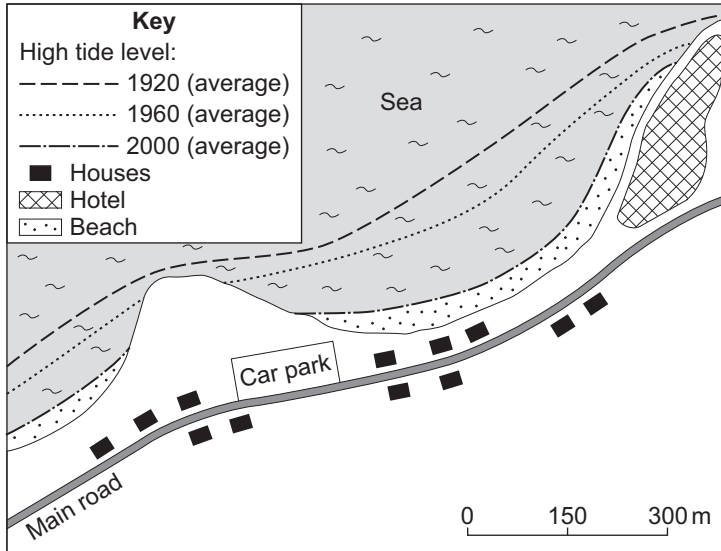
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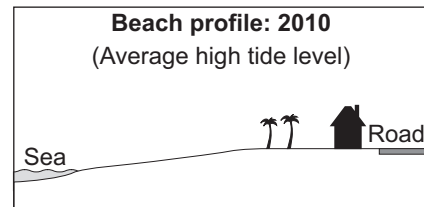
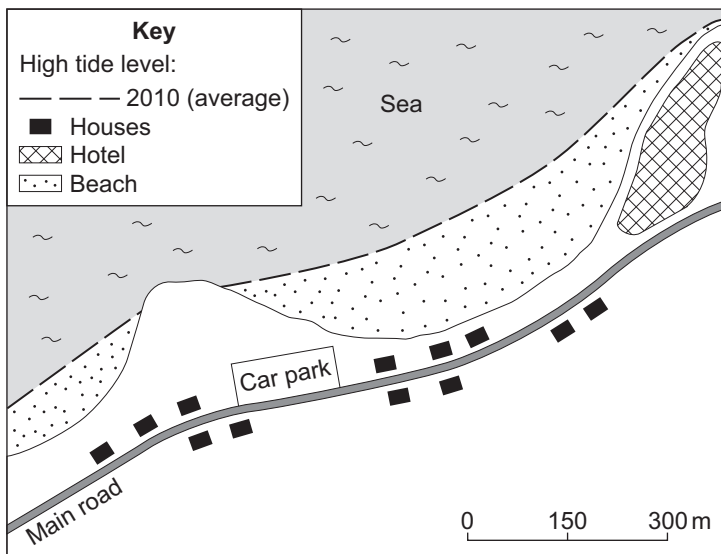
1 (d) Study Figure 3. Figure 3 shows a coastal area before and after a soft engineering coastal protection scheme was put in place in 2005.

Figure 3

A Before coastal protection



B After coastal protection



1 (d) (i) With the help of **Figure 3**, explain what is meant by 'soft engineering'.

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1 (d) (ii) A soft engineering protection scheme rather than a hard engineering protection scheme was used in the area shown in **Figure 3**. Suggest why.

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1 (e) Explain how coastal zones can be managed sustainably.
Use an example that you have studied.

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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 4** on the insert. **Figure 4** gives information about Nairobi, the capital city of Kenya, in Africa.

2 (a) (i) Suggest how the following factors have led to population growth in Nairobi:

natural increase

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migration

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(4 marks)

2 (a) (ii) Explain how urban growth can create challenges in less developed countries.

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- 2 (a) (iii)** Explain how water management projects can improve living conditions in less developed urban areas.
Use an example(s) that you have studied.

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2 (b) Study **Figure 5**. **Figure 5** gives information about Los Angeles, a city in the United States of America (USA).

Figure 5

Los Angeles

Los Angeles is a sprawling city on the Pacific coast of the USA. On most days the main roads are choked with commuter traffic in the city centre and in the large industrial areas across the city.



Vehicle numbers in Los Angeles

Year	1980	1985	1990	1995	2000	2005	2010
Number of vehicles (millions)	3.8	4.3	5.1	5.9	6.5	7.5	7.4

2 (b) (i) Describe how the number of vehicles in Los Angeles changed between 1980 and 2010.

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(2 marks)



2 (b) (ii) Suggest how human activities can cause environmental problems in urban areas.
Use **Figure 5** and your own knowledge.

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2 (b) (iii) What methods are being used to reduce the number of car journeys in urban areas?

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2 (c) Study **Figure 6**. **Figure 6** gives information about four different areas of a city in the United Kingdom (UK).

Figure 6

Area	Unemployment rate (%)
A	19
B	8
C	38
D	28

Average unemployment rate:
for the whole city = 22.3%
for the UK = 13.4%

With the help of **Figure 6**, describe the inequalities that exist in urban areas in more developed countries.

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2 (d) (i) Explain how an urban redevelopment project in a more developed country has improved conditions for people.
Use an example that you have studied.

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2 (d) (ii) Suggest **one** way in which the success of a redevelopment project can be judged.

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(2 marks)

2 (e) Study **Figure 7** on the insert. **Figure 7** shows how urban areas may look in the future.

2 (e) (i) What is meant by:

urban 'greening'?

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carbon neutral housing?

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(4 marks)

Question 2 continues on the next page

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2 (e) (ii) Explain how the urban area shown in **Figure 7** is an example of sustainable urban planning.

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END OF QUESTIONS

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- Figure 1, photo: © Thinkstock
- Figure 4, photo: © Sean Sprague/SpraguePhoto.com
- Figure 7: Raconteur Media

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