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
January 2010

Geography (Specification B)

40351H

H

Paper 1: Managing Places in the 21st century

Thursday 21 January 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

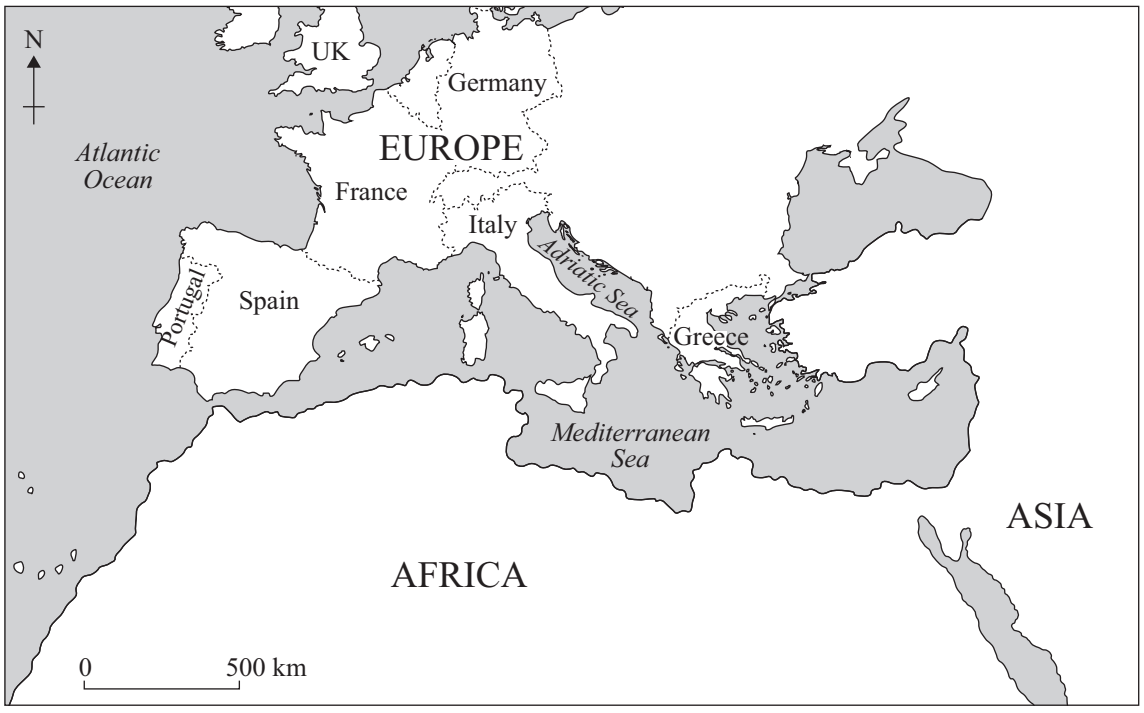
1 (a) Study **Figure 1**, information about the Mediterranean coastal region.

Figure 1

The Mediterranean Coastal Region

The Mediterranean coast is a sea border for 22 countries. In 2008 the coastal region had a population of 200 million, in 1970 the population was 95 million. The population doubles during the summer months because millions of people visit the area for sun and the sea. The region is not only a tourist area; it also has the largest number of fishing boat, oil tanker and container ship movements of any sea. The coastal area has 286 ports, 70 oil refineries, 118 power stations and 112 airports.

Year	Number of Tourists (millions)
1990	130
1995	160
2000	170
2005	200
2010 (est.)	230
2015 (est.)	260
2020 (est.)	280



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1 (a) (i) Name the ocean to the west of the Mediterranean Sea.

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(1 mark)

1 (a) (ii) How many continents have a Mediterranean Sea coast?

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(1 mark)

1 (a) (iii) Describe the changes in tourist numbers shown in **Figure 1**.

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(2 marks)

1 (a) (iv) Explain why the Mediterranean coastal region is called a 'multi-use' area.

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

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1 (b) Study **Figure 2**, on the insert, which shows a developed coastal area.

Explain how development can put pressure on coastal environments.

Use **Figure 2** and your own knowledge.

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1 (c) Weathering and erosion are important physical processes in coastal areas.

1 (c) (i) What does weathering mean?

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(2 marks)

1 (c) (ii) What does erosion mean?

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(2 marks)

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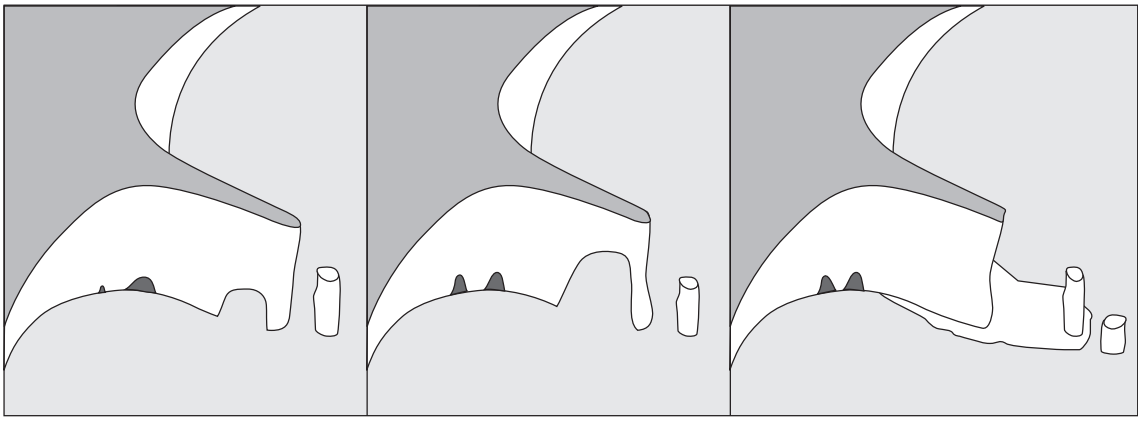
1 (c) (iii) Study **Figure 3** which shows features of coastal erosion.

Figure 3



Explain how erosion has created the features shown in **Figure 3**.

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1 (d) Study **Figure 4**, an Ordnance Survey map extract showing part of the Norfolk coast.

1 (d) (i) Use map evidence to describe the characteristics of the spit marked **A**.

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(3 marks)

1 (d) (ii) Explain how a spit is formed. You may use a diagram to support your answer.

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1 (e) The area shown on the map extract **Figure 4** is often described as a fragile coastal environment.

1 (e) (i) Suggest how this area might be used for recreation and leisure activities.

Use map evidence in your answer.

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1 (e) (ii) Describe **two** conservation methods used to protect fragile coastal environments from human activities.

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

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(4 marks)

1 (f) Describe how coastal areas are protected from erosion **and/or** flooding.

Use an example(s) you have studied.

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End of Section A

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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 5** which shows information about the percentage of the population living in urban areas.

Figure 5

	2000	2025 (estimated)
Africa	38	56
Asia	36	58
Europe	74	84
North America	80	86
South America	74	86

2 (a) (i) Compare the estimated rate of change in Asia with that in North America.

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(2 marks)

2 (a) (ii) Suggest **one** reason for the estimated rate of change in North America.

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(2 marks)

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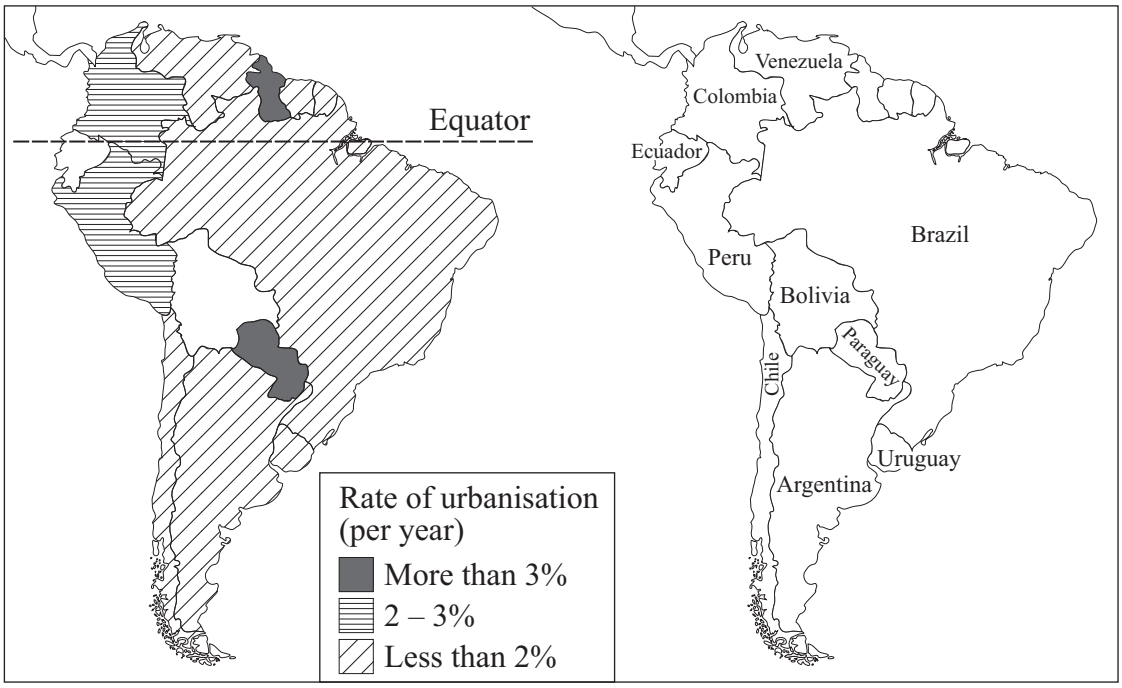
2 (b) (i) Study **Figure 6** which shows the rate of urbanisation of countries in South America.

Figure 6



Complete **Figure 6**. Use the information below.

Ecuador = 3.2%

Bolivia = 2.4%

(2 marks)

2 (b) (ii) Why do people move to urban areas in less developed countries?

Use an example(s) you have studied.

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2 (b) (iii) Study **Figure 7**, a newspaper article about problems in Mexico City, a city in a less developed country.

Figure 7

A City in Crisis!

Latest estimates put the population of Mexico City at over twenty-five million and suggest that it is growing rapidly.

There is not enough space and there are few jobs. Many people cannot afford proper housing. Over ten million people live in crowded shanty towns, often made of bits of wood and plastic sheeting. In some of these places, whole families live in a house no bigger than the average British shed – and often not as well made. Facilities are limited, and most of these houses have no running water or no electricity.

If all this were not bad enough, the fumes from five million vehicles make Mexico City one of the most polluted places on earth.

Rubbish is everywhere! Piles of rubbish rot at the side of the roads, next to shopping centres, and often in massive dumps near the poorest shanty towns.

Describe **two** challenges created by urban growth in less developed countries.

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

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2 (b) (iv) Explain how urban growth benefits the local economy in a less developed country.

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2 (b) (v) Explain how living conditions in cities in less developed countries are being improved.

Use an example(s) you have studied.

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2 (c) Study **Figure 8** which is part of a survey carried out in 2005 in one part of London, a city in a more developed country.

Figure 8

		Percentage of the population	
		Survey Area	London (average)
Level of health	Good	51	68
	Average	14	11
	Poor	35	21
Education	No qualifications	44	22
	University qualification	16	33
Work	Employed (full-time)	36	52
	Employed (part-time)	8	9
	Unemployment	9	4

What local people like about the survey area (top four answers).

1. Nothing
2. Local community/people
3. Near to shops/services
4. Near to central London

What local people dislike about the survey area (top four answers).

1. Crime
2. Dirty streets/vandalism
3. Poor housing
4. Everything

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Explain how the data in **Figure 8** suggest that the survey area is one of the more disadvantaged areas of London.

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2 (d) Study **Figure 9**, on the insert, which shows an urban area before and after an improvement scheme.

Suggest how the improvement scheme in **Figure 9** has:

2 (d) (i) improved employment prospects in the local area.

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(2 marks)

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2 (d) (ii) improved the local environment.

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(2 marks)

2 (e) (i) Study **Figure 10**, on the insert, information about an urban redevelopment project.

Explain how the Greenways 'eco-village' development will help to reduce the number of car journeys into the city centre.

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2 (e) (ii) Use **Figure 10**. What causes 'nearly 80% of carbon emissions'?

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(1 mark)

2 (e) (iii) What does 'carbon neutral' mean?

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(1 mark)

2 (f) Explain how eco-settlements are examples of sustainable urban planning.

Use example(s) you have studied.

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END OF QUESTIONS

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