

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 2012

Geography (Specification B)

40351H

H

Paper 1 Managing Places in the 21st Century

Friday 20 January 2012 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 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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Answer **either** Section A (Question 1) **or** Section B (Question 2).

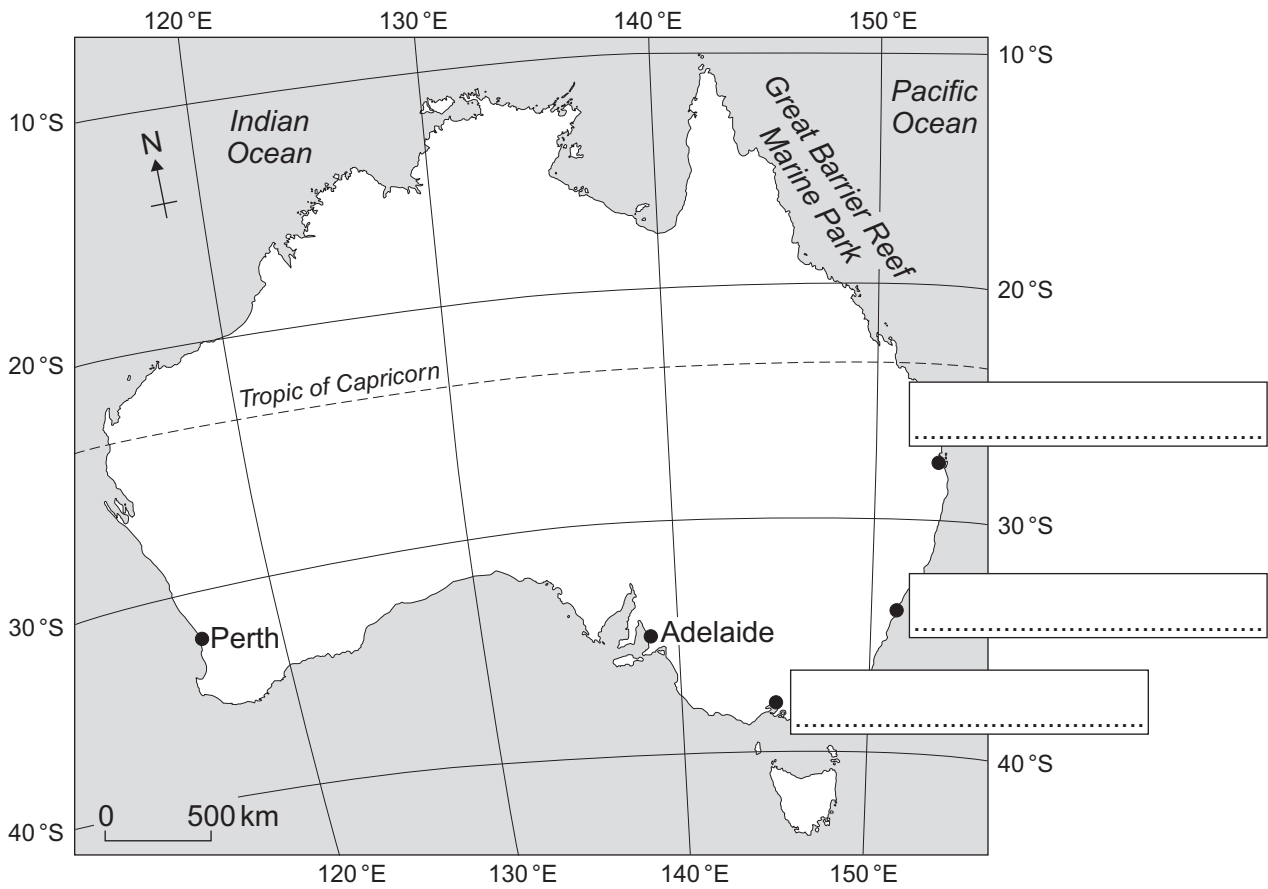
Section A – The Coastal Environment

Use case studies to support your answers where appropriate.

Total for this question: 50 marks

1 Study **Figure 1**. **Figure 1** shows the locations of five large cities in Australia.

Figure 1



1 (a) Use the information below to complete the labels on **Figure 1**.

City	Latitude (approx)	Longitude (approx)
Brisbane	27°S	153°E
Melbourne	38°S	145°E
Sydney	34°S	151°E

(2 marks)



1 (b) Explain why a wide range of economic activities is found in coastal areas.

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Question 1 continues on the next page

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1 (c) Study **Figure 2** on the insert. **Figure 2** gives information about the Great Barrier Reef Marine Park (GBRMP) in Australia.

1 (c) (i) Suggest why some coastal environments are under threat. Use **Figure 2** and your own knowledge.

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1 (c) (ii) Sustainable management of coastal zones is a challenge. Explain why. Use **Figure 2** and your own knowledge.

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1 (d) Name and briefly describe **two** processes of coastal erosion.

Name	Description
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(4 marks)

Question 1 continues on the next page

Turn over ►



1 (e) (i) Study **Figure 3** on the insert. **Figure 3** is a photograph of a coastline. Identify the features labelled on **Figure 3**.

A	
B	
C	

(3 marks)

1 (e) (ii) Suggest how rock type and rock structure help to create features of 'hard' coastlines. Use **Figure 3** and your own knowledge.

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1 (e) (iii) Describe processes and features associated with 'soft' coastlines.
You may use a diagram(s).

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1 (f) (i) Describe the process of longshore drift.
You may use a diagram.

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(4 marks)

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1 (f) (ii) Name **one** coastal landform created by longshore drift.

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(1 mark)

1 (g) (i) What is a Shoreline Management Plan (SMP)?

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(1 mark)



1 (g) (ii) Explain how hard engineering methods are used to protect coastal areas from the effects of the sea.
Use examples 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**. **Figure 4** shows the changing percentage of urban population for a number of countries.

Figure 4

Urban population (%)

	1975	2005	2015 (estimated)	
Australia	86	88	90	More developed countries
USA	74	81	84	
UK	83	90	91	
France	73	77	79	
Nigeria	24	48	60	Less developed countries
China	17	40	49	
India	21	29	32	
South Africa	48	59	64	

2 (a) (i) Describe the change to the percentage of urban population in the more developed countries shown in **Figure 4**.

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(2 marks)



2 (a) (ii) Describe, and suggest reasons for, the change to the percentage of urban population in the less developed countries shown in **Figure 4**.

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2 (b) Study **Figure 5** on the insert. **Figure 5** gives information about an earthquake in China.

2 (b) (i) Using **Figure 5**, in which direction from the epicentre of the earthquake was the greatest spread of extreme shaking?

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(1 mark)

2 (b) (ii) What evidence from **Figure 5** suggests that earthquakes in urban areas can lead to other natural hazards?

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(2 marks)

2 (b) (iii) Describe the problems caused by natural hazards in urban areas. Use **Figure 5** and your own knowledge.

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2 (b) (iv) Explain how the damaging effects of natural hazards can be reduced in urban areas. Use an example of a natural hazard you have studied.

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2 (c) Study **Figure 6**. **Figure 6** is an Ordnance Survey map extract showing part of the city of Glasgow.

The Ordnance Survey map extract has been removed due to third-party copyright constraints.
Please refer to Explorer Map 342, Glasgow (eastings 52–60, northings 64–67).
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 Cardonald station, in the south-west corner of the map extract.

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(1 mark)

2 (c) (ii) What is the straight line distance, to the nearest km, from Glasgow Central Station (5865) to the eastern edge of Elder Park (5465)?

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(1 mark)

2 (c) (iii) Suggest why few people live alongside the part of the River Clyde shown in **Figure 6**. Use evidence from the Ordnance Survey map extract.

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2 (c) (iv) Using the Ordnance Survey map extract, suggest how the following transport developments could reduce traffic congestion in Glasgow city centre:

- an express bus service on the A814 (north bank of the River Clyde) to the city centre

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(2 marks)

- extra road bridges across the River Clyde.

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(2 marks)

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2 (d) Study **Figure 7**. **Figure 7** describes part of the Govan Action Plan, a project to improve conditions in the Govan area of Glasgow. This area is shown on the Ordnance Survey map extract.

Figure 7

The **Govan Action Plan** is part of the River Clyde Waterfront Urban Redevelopment Project.

The **Govan Action Plan** will include:

- the development of two new hospitals which will serve the whole of Glasgow
- 500 new homes and improvements to run-down housing areas
- restoration of historical buildings and the development of a riverside museum
- improved shopping and recreation facilities
- new pedestrian and cycle routes
- the clearing of derelict industrial areas and the development of green space.

2 (d) (i) Suggest how the Govan Action Plan will improve the local environment. Use the Ordnance Survey map extract and **Figure 7**.

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2 (d) (ii) Explain how urban redevelopment projects can create socio-economic opportunities. Use an example(s) you have studied.

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2 (e) Explain why the features of eco-settlements can be described as sustainable.
Use an example(s) you have studied.

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END OF QUESTIONS

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