

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
TOTAL	



General Certificate of Secondary Education
Higher Tier
June 2011

Geography (Specification A)

40304H

H

SHORT COURSE

Monday 13 June 2011 9.00 am to 10.00 am

For this paper you must have:

- the colour insert
 - pencil
 - rubber
 - ruler.
- You may use a calculator.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **TWO** questions: **one** question from **Section A** and **one** question from **Section B**.
- 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 will be marked on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.

Advice

- Where appropriate, credit will be given for the use of diagrams to illustrate answers and where reference is made to your personal investigative work. You are advised to allocate your time carefully.



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

Section A

Answer **ONE** question in this section.

Use case studies to support your answers where appropriate.

Total for this question: 25 marks

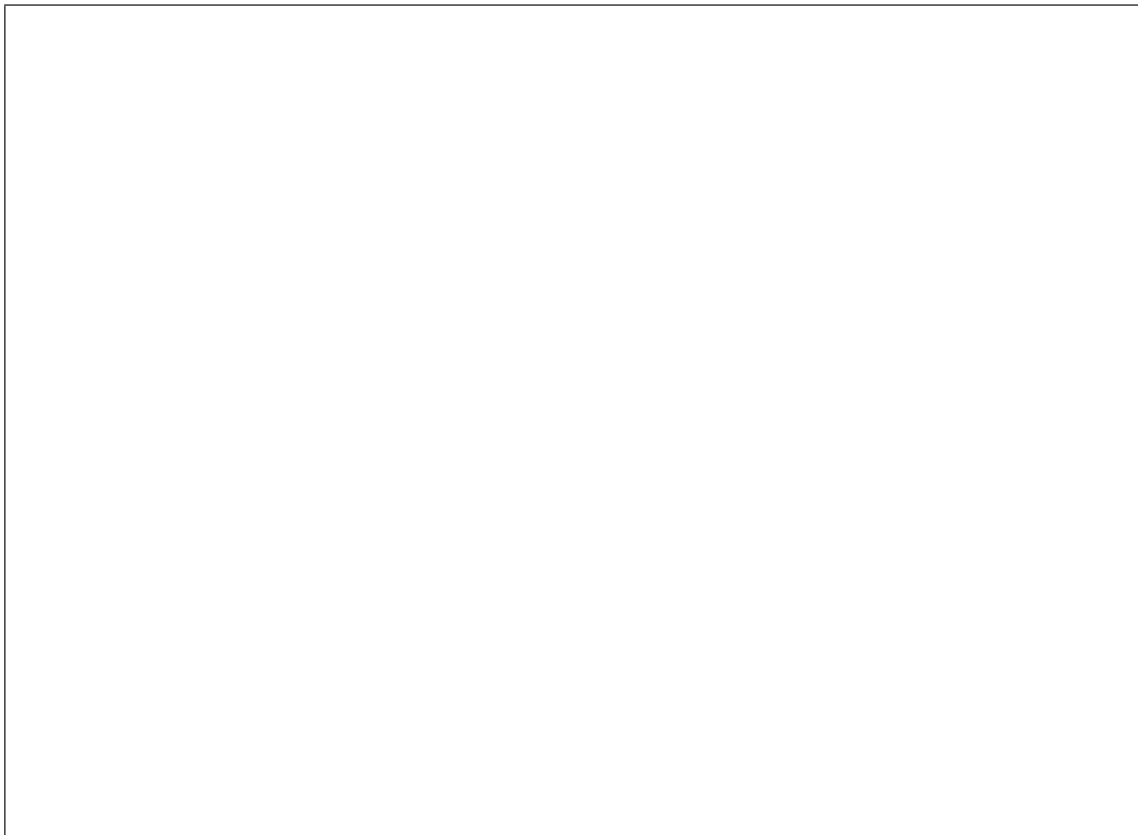
1 The Restless Earth

1 (a) Give **two** differences between continental crust and oceanic crust.

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(2 marks)

1 (b) (i) Study **Figure 1** on the insert, a photograph of Mount Vesuvius, a volcano in Italy. Draw a labelled sketch of **Figure 1** to show the characteristics of this volcano.



(3 marks)



1 (b) (ii) Explain how volcanoes form at constructive plate margins.

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(4 marks)

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1 (c) (i) Describe the size and shape of a supervolcano

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(2 marks)

Question 1 continues on the next page

Turn over ►



Total for this question: 25 marks

2 Water on the Land

2 (a) Describe how a river erodes.

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(3 marks)



- 2 (b) (i)** Study **Figure 3** on the insert, a photograph of the River Tees in its middle course. **Figure 4** is a black and white copy of **Figure 3**. Label **Figure 4** to show **three** characteristics of the channel and the valley.

Figure 4



(3 marks)

Question 2 continues on the next page

Turn over ►



2 (b) (ii) Draw a labelled cross-section to show how the inside bend of a meander is different from the outside bend of a meander.



(4 marks)

2 (b) (iii) Explain the formation of an ox-bow lake.

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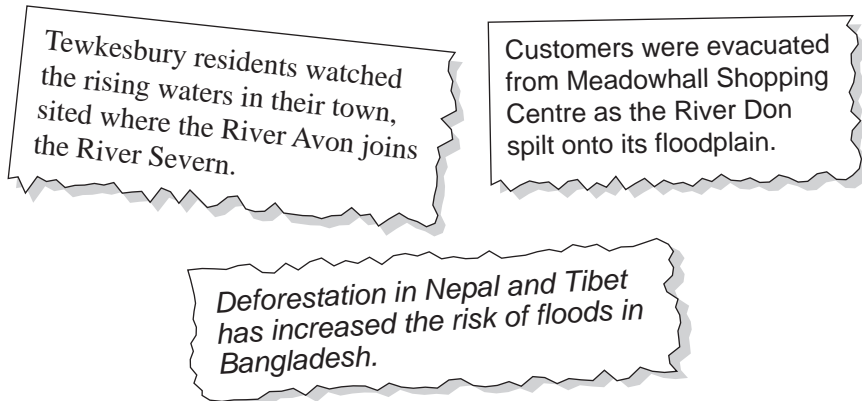
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2 (c) (i) Study **Figure 5**, newspaper cuttings about the causes of flooding.

Figure 5



Use **Figure 5** to explain why rivers flood.

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(3 marks)

Question 2 continues on the next page

Turn over ▶



Total for this question: 25 marks

3 The Coastal Zone

3 (a) (i) Draw a labelled diagram to show the process of longshore drift.



(3 marks)

3 (a) (ii) Explain why deposition occurs at certain places along the coast.

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(3 marks)

Question 3 continues on the next page

Turn over ►



3 (b) (i) Study **Figure 6** on the insert, a photograph of part of the UK coastline.
Describe the landforms shown in **Figure 6**.

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(3 marks)

3 (b) (ii) Explain the formation of headlands and bays.

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3 (d) Study **Figure 7** on the insert, which shows coastal management along the Holderness coastline.
Explain the predicted changes to the coastline.

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End of Section A



Turn over for Section B

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Section B

Answer **ONE** question in this section.

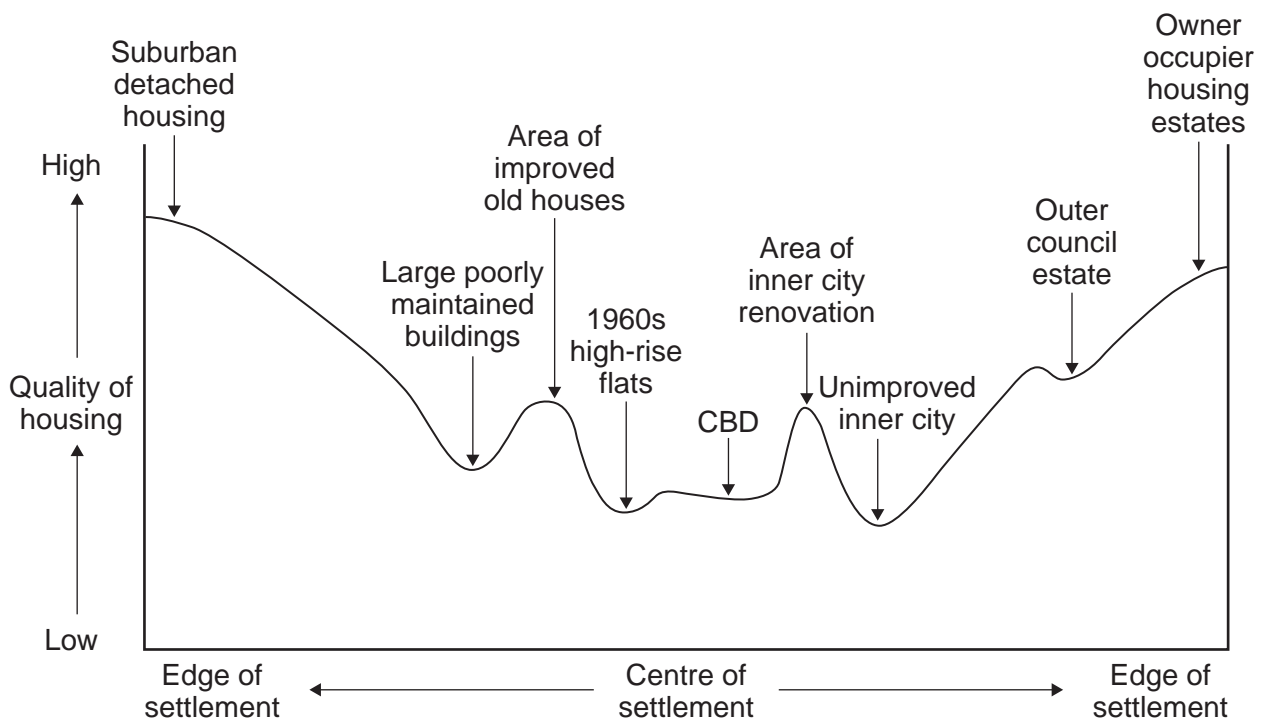
Use case studies to support your answers where appropriate.

Total for this question: 25 marks

4 Changing Urban Environments

- 4 (a) Study **Figure 8** which shows how the quality of housing varies across a large city in the north of England.

Figure 8



The following are plans for improving the quality and quantity of the housing in the large city in the north of England.

1. Improving council estates built near the edge of the city
2. Building new suburban estates
3. Renovating terraced housing
4. Opening up places to live above shops
5. Subdividing large Victorian houses near the centre of the city

Choose **two** of the above plans.
For **each**, explain how the plan would improve the housing in this city.

Plan number

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Plan number

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Question 4 continues on the next page

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4 (b) Study **Figure 9** on the insert, which is a computer generated image of the planned sustainable city of Dongtan in China.
Use **Figure 9** to explain why Dongtan will be a sustainable city.

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4 (c) (i) What is 'urbanisation'?

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(1 mark)



4 (d) Many people in the poor world live in squatter settlements.
Describe the effects on the lives of people of living in squatter settlements.

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Total for this question: 25 marks

5 Changing Rural Environments

5 (a) Study Figure 10, a cartoon.

Figure 10



5 (a) (i) What is the message of the cartoon?

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(1 mark)



5 (a) (ii) Explain why out-of-town retail outlets such as supermarkets are built in the area shown on the cartoon.

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5 (b) The following are features of commercial farming in an area of the UK.

1. There has been an increase in agribusiness
2. Organic farming has become more important
3. New crops have been introduced
4. Diversification has happened on some farms
5. Government and EU policies aim to reduce the environmental impact of farming

Choose **two** of the above features.
For **each** explain why they are happening.

Feature

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5 (d) Study **Figure 11** on the insert, photographs of different types of irrigation.
Use **Figure 11** and your own knowledge to explain the changes to tropical agriculture
that can come from the use of irrigation.

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Total for this question: 25 marks

6 Tourism

6 (a) Study **Figure 12**, the Ordnance Survey map extract of the area near the town of Montrose in Scotland.

The extract from OS Explorer map 382 (Eastings: 67–74, Northings: 56–60) is not enclosed due to third-party copyright constraints.

Use **Figure 12** to describe the human and physical attractions of taking a holiday in Montrose and the surrounding area.

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Question 6 continues on the next page

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6 (b) Study **Figure 13** on the insert, a photograph showing Everest Base Camp, an extreme environment in the Himalayas.

6 (b) (i) Use **Figure 13** and your own knowledge to describe the negative effects of tourism on an extreme environment.

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6 (b) (ii) Give **one** piece of evidence on **Figure 13** that suggests the growth of tourism in this extreme environment has benefited the local people.

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(1 mark)

6 (b) (iii) Describe how a **named** area with an extreme environment has tried to control the growth of the tourist trade.

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Figure 10: windowsonourworld.com

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