

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 2012

# Geography (Specification A)

40304H

H

SHORT COURSE

Thursday 14 June 2012 9.00 am to 10.00 am

**For this paper you must have:**

- the colour insert (enclosed);
- 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.



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40304H

**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)** Study **Figure 1** on the insert, a map showing the locations of young fold mountains and ocean trenches.

**1 (a) (i)** Describe the location of ocean trenches.

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*(2 marks)*

**1 (a) (ii)** With the help of a diagram(s), explain the formation of young fold mountains and ocean trenches.

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(8 marks)

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**Question 1 continues on the next page**

**Turn over ►**



1 (b) Outline how the Richter scale is used to measure earthquakes.

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(3 marks)

1 (c) What is the difference between the focus and the epicentre of an earthquake?

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(2 marks)

1 (d) Study **Figure 2** on the insert, which shows characteristics of the L'Aquila, Italy earthquake in April 2009, and the Haiti earthquake in January 2010.

Compare **and/or** contrast the characteristics of the two earthquakes.

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(4 marks)





**Total for this question: 25 marks**

**2 Water on the Land**

**2 (a)** Describe how a river transports its load.

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*(3 marks)*

**2 (b)** Study **Figure 3** on the insert, a 1:50 000 Ordnance Survey map extract of the River Eden in Cumbria.

**2 (b) (i)** What is the approximate height of the River Eden in grid square 4257?

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*(1 mark)*

**2 (b) (ii)** What happens to the River Eden at 411564?

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*(1 mark)*

**2 (b) (iii)** What is the straight line distance along the line **X – Y** on the map?

..... km

*(1 mark)*



**2 (b) (iv)** Grid squares 4357 and 4358 are outlined on **Figure 3**.

Describe the landform(s) found in these squares.

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(3 marks)

**2 (c)** Explain the formation of a flood plain.

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(4 marks)

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**Question 2 continues on the next page**

**Turn over ►**



**2 (d)** Study **Figure 4** on the insert, which shows the locations of flood events in England between 2000 and 2007.

**2 (d) (i)** Describe the locations of the flood events shown in **Figure 4**.

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(4 marks)

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**2 (d) (ii)** Use a case study to describe responses to river flooding.

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(8 marks)

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<b>25</b>

**Turn over for the next question**

**Turn over ►**



**Total for this question: 25 marks**

**3 The Coastal Zone**

**3 (a)** Describe how the sea erodes the coast.

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*(3 marks)*

**3 (b)** Study **Figure 5** on the insert, a 1:50 000 Ordnance Survey map extract of the area around Spurn Head in East Yorkshire.

**3 (b) (i)** Name the feature at 415128.

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*(1 mark)*

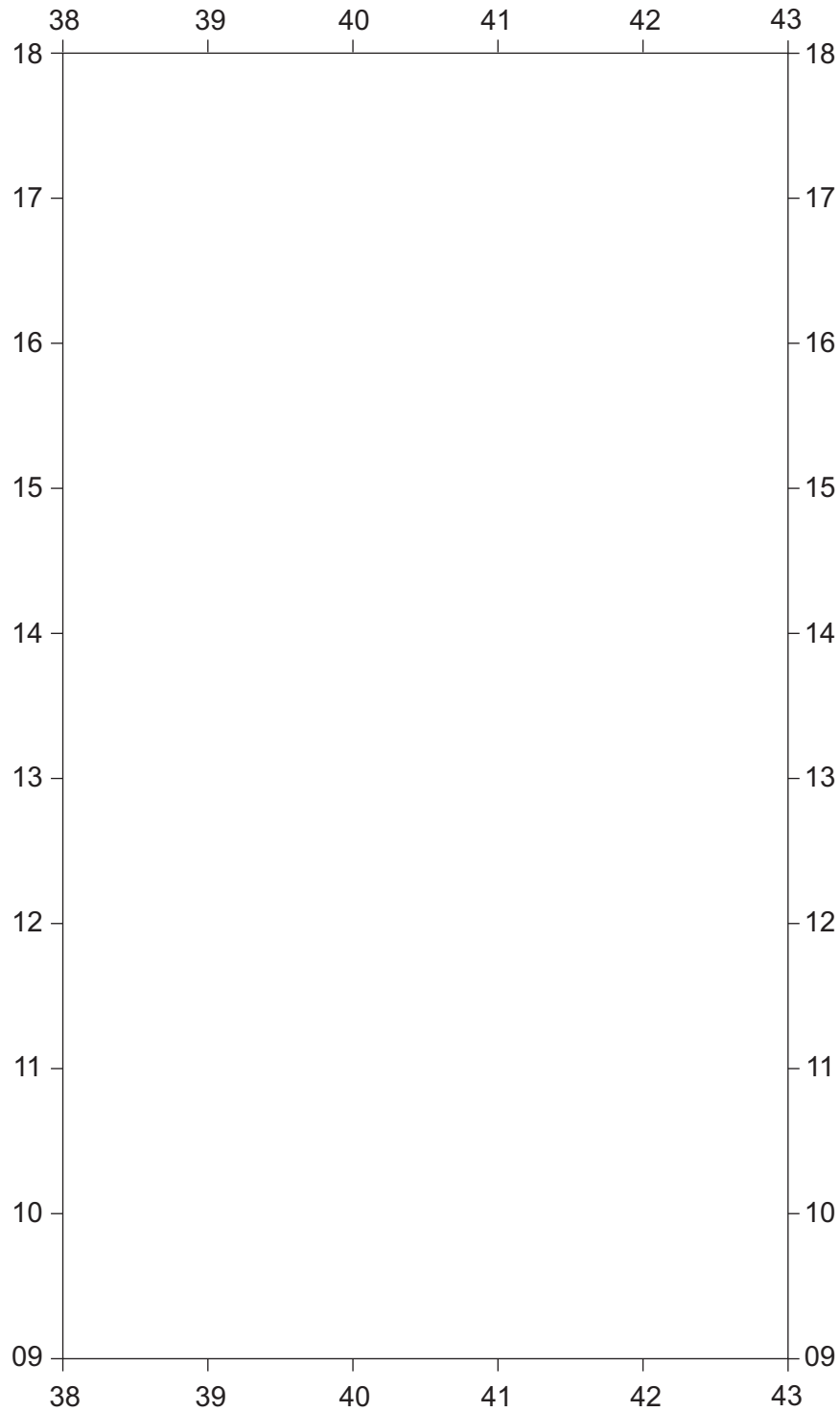
**3 (b) (ii)** Measure the distance **along** the spit from **X** (421150) to **Y** (397105).

..... km

*(2 marks)*



**3 (b) (iii)** Use **Figure 5** to draw a labelled sketch map in the grid below to show the features of the spit.



(3 marks)

**Question 3 continues on the next page**

**Turn over ►**



**3 (b) (iv)** Explain the formation of a spit.

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(4 marks)

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**3 (c)** Study **Figure 6** on the insert, photographs of dunes at Studland in Dorset.  
Describe how the vegetation changes from near the sea to further inland.

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(4 marks)

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**3 (d)** Use a case study to explain why a coastal habitat has distinct characteristics.

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(8 marks)

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**End of Section A**  
**Turn over for Section B**

**Turn over ▶**



### Section B

Answer **ONE** question in this section.

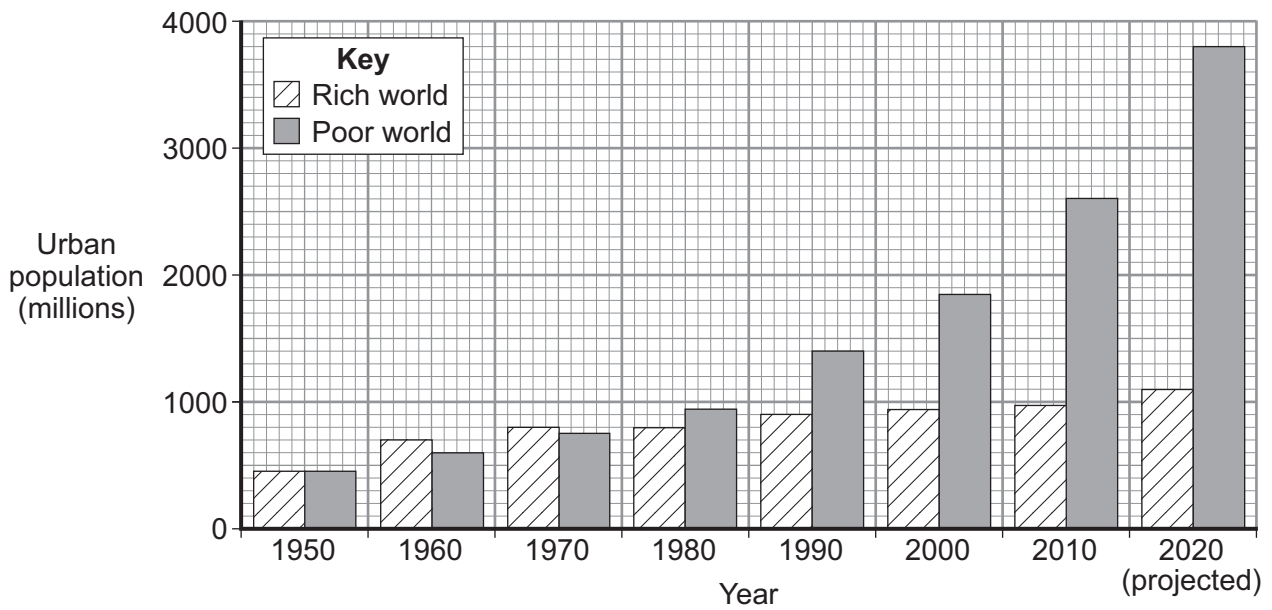
Use case studies to support your answers where appropriate.

**Total for this question: 25 marks**

#### 4 Changing Urban Environments

4 (a) Study **Figure 7**, a graph showing changes in the urban populations in the rich world and the poor world between 1950 and 2020.

**Figure 7**



4 (a) (i) Describe the changes in the urban populations in the rich world and the poor world between 1950 and 2020.

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(4 marks)



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**4 (a) (ii)** Explain the different rates of growth in the urban populations of the rich world and the poor world.

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(4 marks)

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**Question 4 continues on the next page**

**Turn over ►**



4 (b) Study **Figure 8** on the insert, a photograph of a squatter settlement.

**Figure 9** is a black and white copy of **Figure 8**.

On **Figure 9**, mark with an arrow and label **three** features that may affect the lives of the people living in the squatter settlement.

**Figure 9**



(3 marks)





**4 (c)** Outline the main effects of rapid industrialisation on the air and water of a poor world city.

Air .....

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Water .....

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(4 marks)

Extra space .....

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**4 (d) (i)** Give **one social** factor and **one environmental** factor that might be considered in any plan aimed at sustainable urban living.

Social .....

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Environmental .....

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(2 marks)

**Question 4 continues on the next page**

**Turn over ►**





**Total for this question: 25 marks**

**5 Changing Rural Environments**

**5 (a)** Study **Figure 10** on the insert, a map showing the home areas of the people who commute to the Scottish district of Clackmannanshire.

**5 (a) (i)** Describe the pattern of commuting into Clackmannanshire.

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*(4 marks)*

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**Question 5 continues on the next page**

**Turn over ►**



**5 (a) (ii)** Many of the people commuting to work live in villages. These villages are expanding in size.

Describe **two** characteristics of an expanding village.

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(4 marks)

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**5 (b)** Study **Figure 11** on the insert, a photograph of the rural–urban fringe.

**5 (b) (i)** **Figure 12** is a black and white copy of **Figure 11**.

On **Figure 12**, mark with an arrow and label **three** land uses in the rural–urban fringe shown.

**Figure 12**

Figure 12 is not reproduced here due to third-party copyright constraints.

(3 marks)

**Question 5 continues on the next page**

**Turn over ►**



**5 (b) (ii)** Suggest why there may be conflict between the land uses shown in **Figure 11**.

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(4 marks)

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**5 (c) (i)** Give **one social** reason and **one economic** reason for rural depopulation.

Social .....

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Economic .....

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(2 marks)



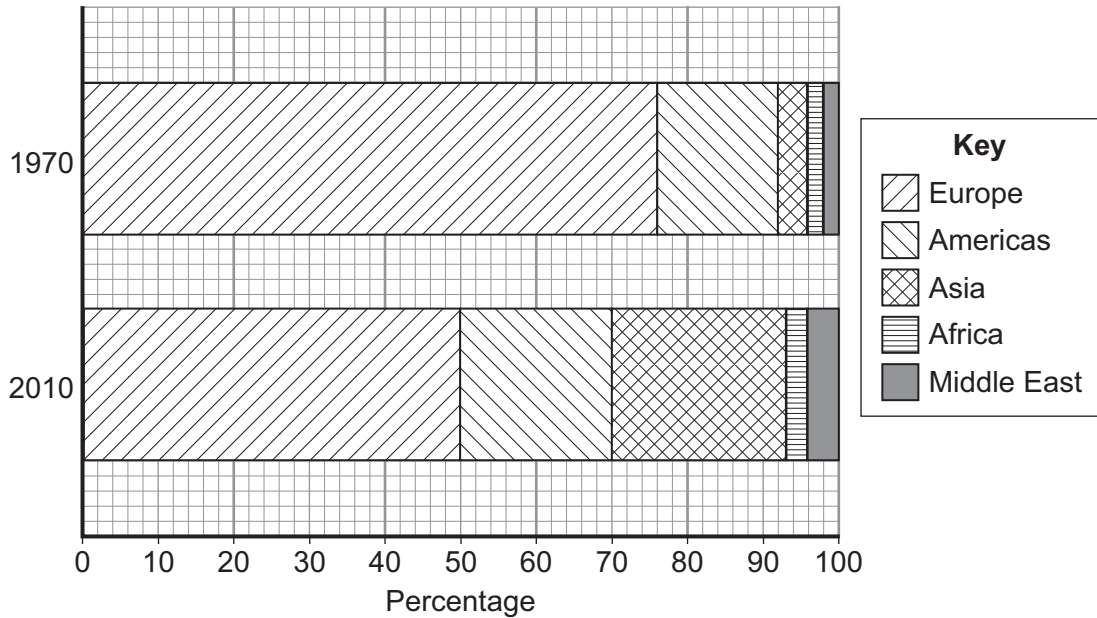


Total for this question: 25 marks

6 Tourism

6 (a) Study **Figure 13**, a graph showing the percentage of money earned from tourism in different parts of the world in 1970 and 2010.

**Figure 13**



6 (a) (i) Using **Figure 13**, describe the changes in the percentage of money earned from tourism in different parts of the world between 1970 and 2010.

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(4 marks)

Extra space .....

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**6 (a) (ii)** Explain the economic importance of tourism to countries in contrasting parts of the world.

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(4 marks)

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**6 (b)** Study **Figures 14a, 14b and 14c** on the insert, photographs of types of holidays in different extreme environments.

**6 (b) (i)** Name the **three** types of extreme environments shown in **Figures 14a, b and c**.

**14a** .....

**14b** .....

**14c** .....

(3 marks)

**Question 6 continues on the next page**

**Turn over ►**



**6 (b) (ii)** Choose **one** of the extreme environments shown in **Figures 14a, b and c.**

Circle your chosen extreme environment.

**14a**

**14b**

**14c**

Outline **two** ways in which tourism could affect the extreme environment chosen.

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(4 marks)

*Extra space* .....

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**6 (c) (i)** Give **two positive** effects on the environment of the development of mass tourism.

1 .....

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2 .....

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(2 marks)





**There are no questions printed on this page**

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ANSWER IN THE SPACES PROVIDED**

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Figure 9: © N I and M E Rowles

Figure 12: [apassahead.co.uk/images/m62-motorway-e26-j29.jpg](http://apassahead.co.uk/images/m62-motorway-e26-j29.jpg)

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