

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 2010

Geography (Specification A)

40304H

H

Short Course

Monday 14 June 2010 9.00 am to 10.00 am

For this paper you must have:

- the colour insert.
- You may use a calculator.

Time allowed

- 1 hour

Instructions

- Use black ink or black ball-point pen. Use pencil only for drawing.
- 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.



Section A

Answer **ONE** question in this section.

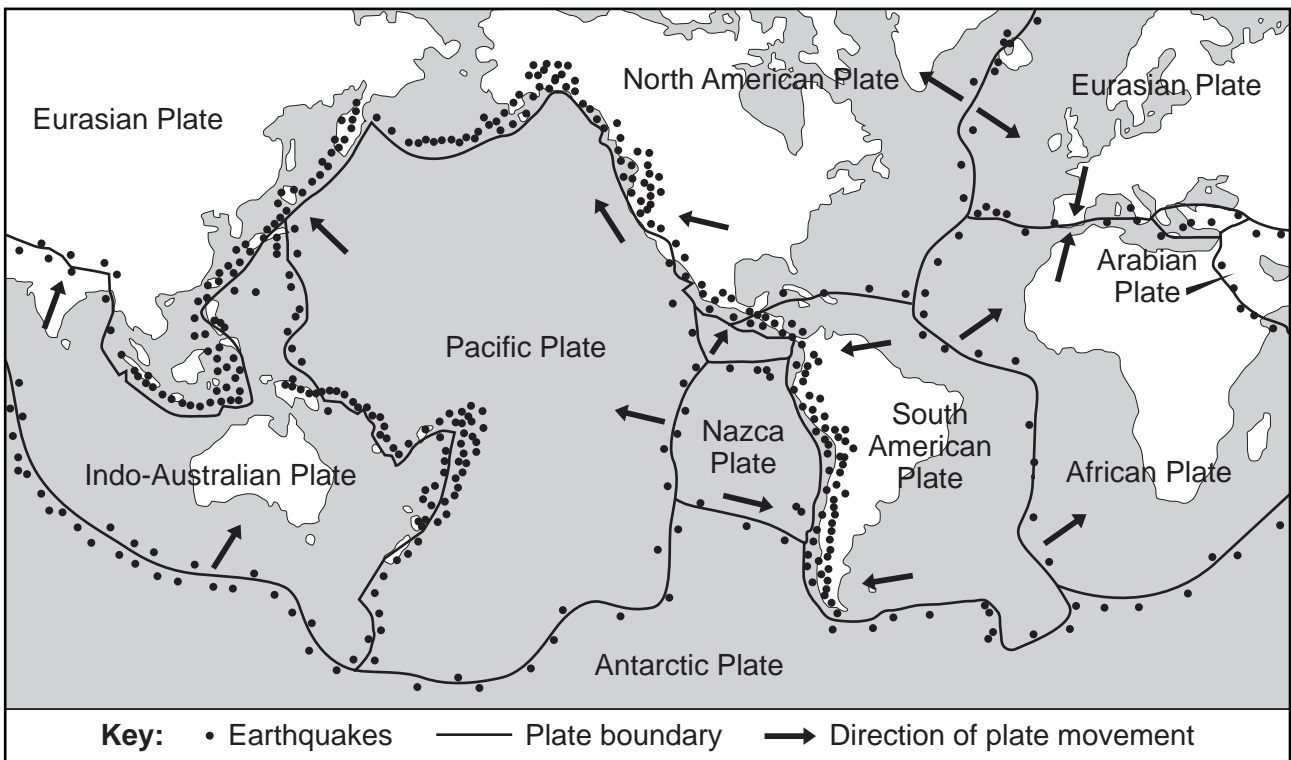
Use case studies to support your answers where appropriate.

1 The Restless Earth

Total for this question: 25 marks

1 (a) Study **Figure 1** which shows the earth's tectonic plates and the places where earthquakes occur worldwide.

Figure 1



1 (a) (i) Describe the distribution of earthquakes.

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(3 marks)



1 (a) (ii) Draw a labelled diagram(s) to explain why earthquakes occur at conservative plate boundaries.



(4 marks)

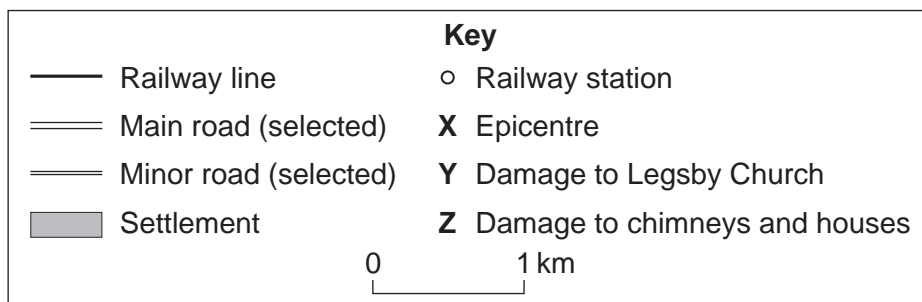
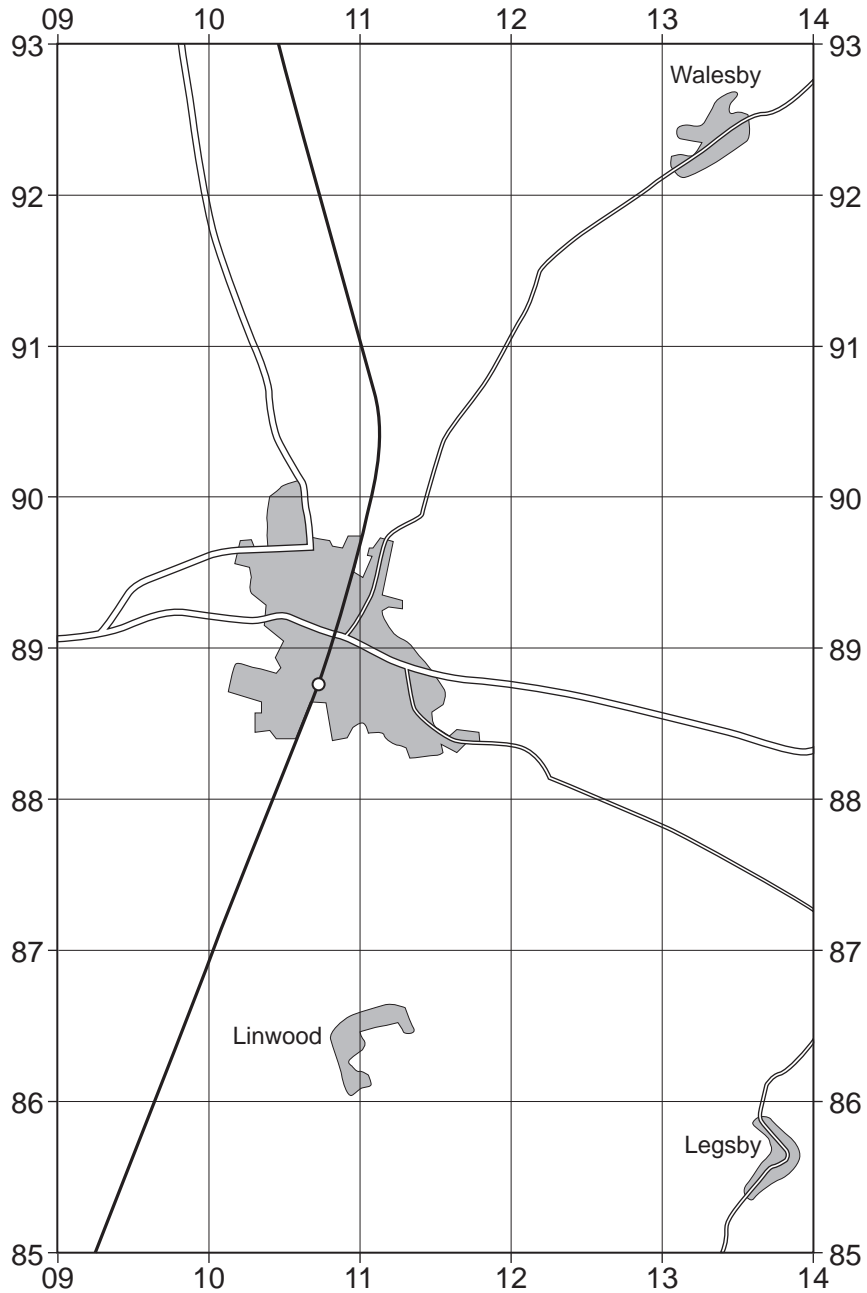
Question 1 continues on the next page

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- 1 (b) Study **Figure 2**, on the insert, a 1:50 000 Ordnance Survey map extract of Market Rasen, Lincolnshire. An earthquake struck Market Rasen on 27 February 2008. **Figure 3** is a sketch map drawn from **Figure 2b**.

Figure 3



Turn over for the next question

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ANSWER IN THE SPACES PROVIDED**

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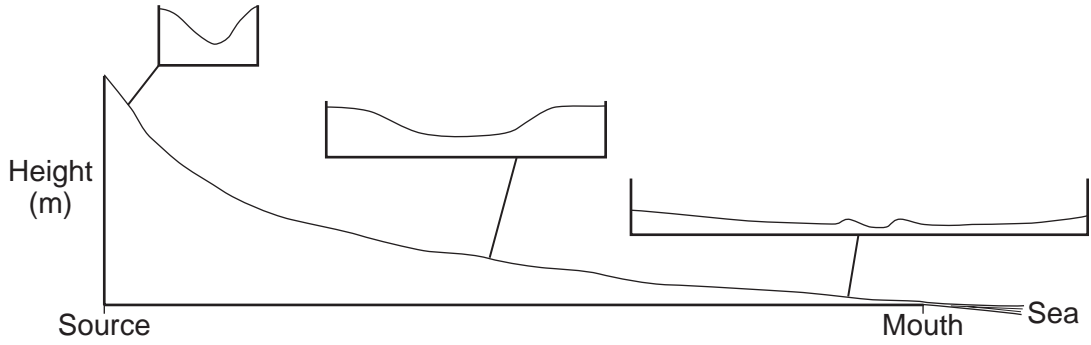


2 Water on the Land

Total for this question: 25 marks

2 (a) Study **Figure 4** which shows a long profile and cross profiles of a typical river.

Figure 4



Describe how the cross profile changes downstream.

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(3 marks)



2 (b) (i) Study **Figure 5**, on the insert, a photograph of a waterfall in the Glens of Antrim, Northern Ireland.
Describe the features of the waterfall shown in **Figure 5**.

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(3 marks)

2 (b) (ii) Draw a labelled diagram(s) to explain the formation of a waterfall.



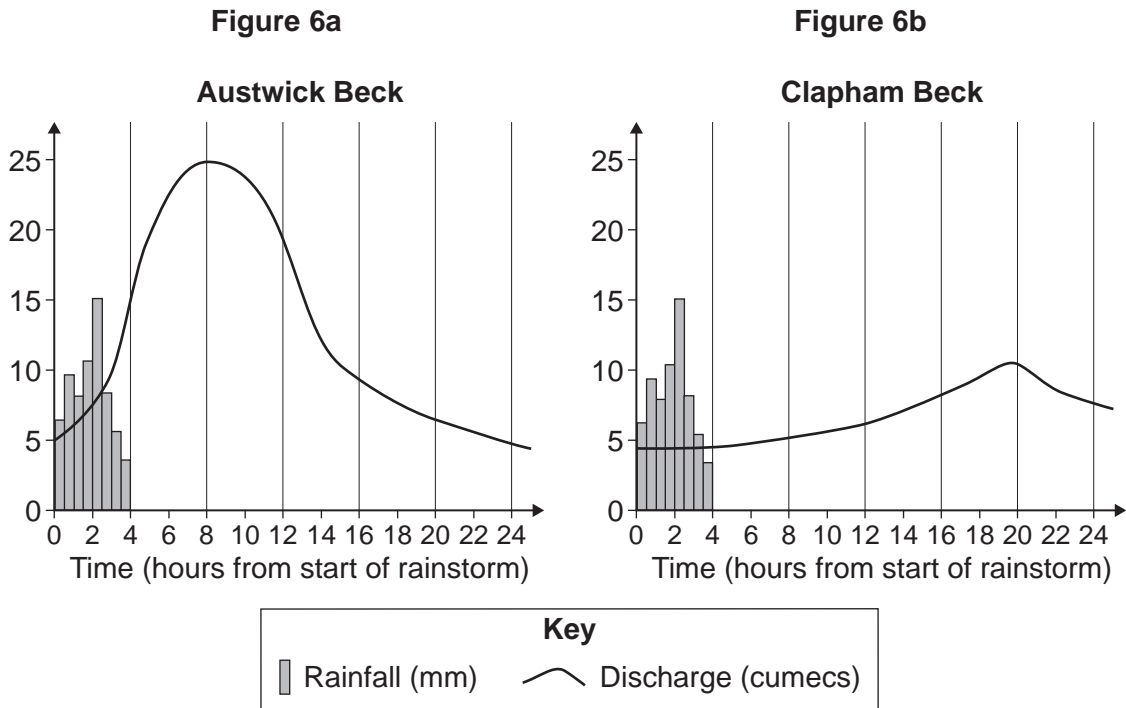
(4 marks)

Question 2 continues on the next page

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2 (c) Study **Figures 6a** and **6b** which are hydrographs for two different streams in North Yorkshire after the same storm.
A hydrograph shows the link between rainfall and discharge in a river.



2 (c) (i) Contrast the hydrograph for Austwick Beck with that for Clapham Beck.

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(3 marks)



2 (c) (ii) Suggest why the two hydrographs are different.

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(4 marks)

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3 The Coastal Zone

Total for this question: 25 marks

3 (a) Mass movement is a process affecting the coastal zone. Describe this process.

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(3 marks)

Question 3 continues on the next page

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- 3 (b) (i)** Study **Figure 7**, on the insert, which shows the coastal zone of Antrim, Northern Ireland.
Figure 8 is a black and white copy of **Figure 7**.
On **Figure 8**, mark with an arrow and label **three** landforms shown on this coast.

Figure 8



(3 marks)



3 (b) (ii) Explain the formation of landforms shown in the rectangle marked **X** on **Figure 7**.

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3 (c) (i) Explain why sea level is expected to rise.

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(3 marks)



3 (c) (ii) Use a case study to describe economic effects of coastal flooding.

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3 (d) Study **Figure 9** which shows hard and soft engineering strategies used to protect the coast at Lyme Regis, a town in Dorset.

Figure 9

Figure 9 is not reproduced here due to third-party copyright constraints.

Explain why coastal areas such as Lyme Regis use both hard and soft engineering strategies.

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(8 marks)

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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.

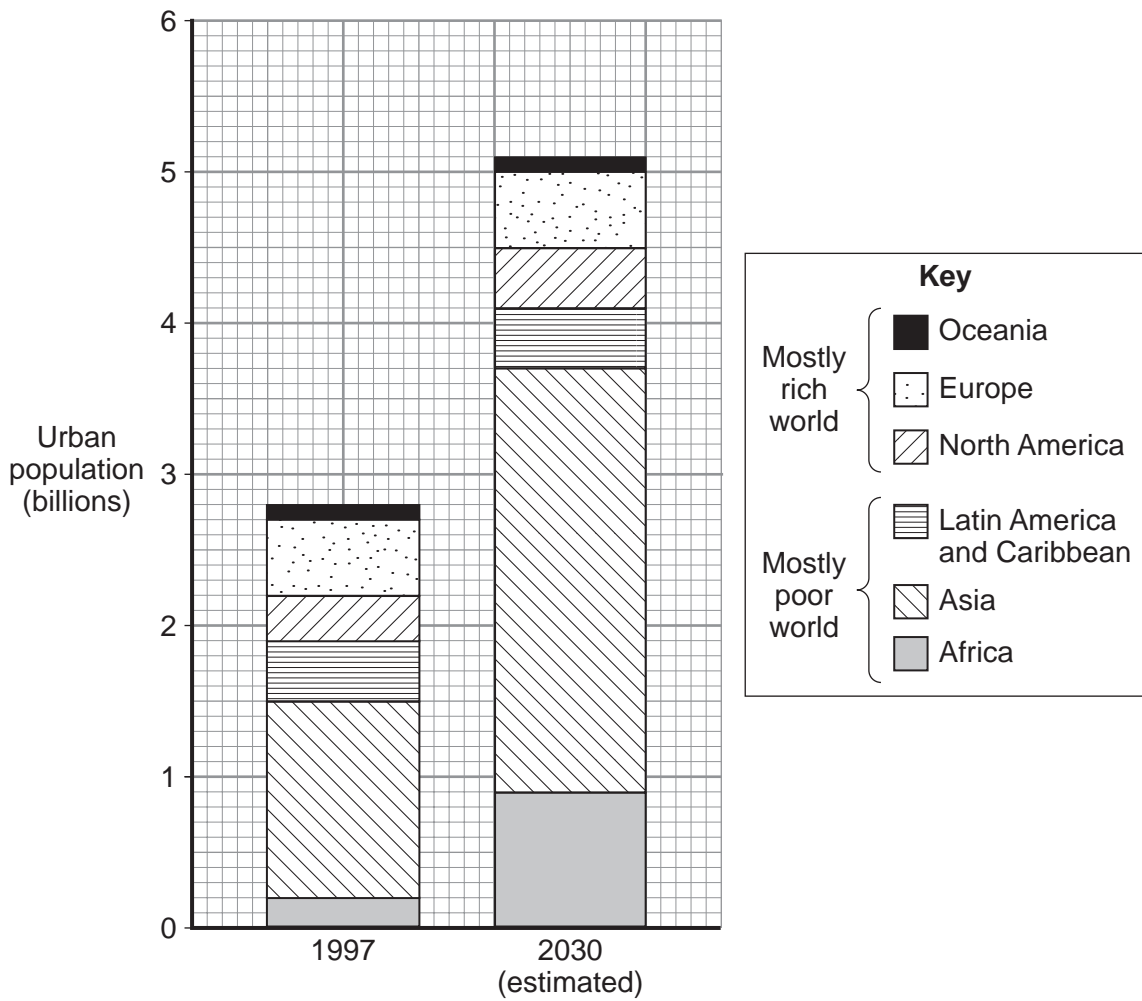
Use case studies where appropriate in your answers.

4 Changing Urban Environments

Total for this question: 25 marks

4 (a) Study **Figure 10** which shows how the world's urban population may change between 1997 and 2030.

Figure 10



4 (a) Describe how the world's urban population may change between 1997 and 2030.

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(2 marks)

4 (b) (i) Study **Figure 11**, on the insert, which shows three photographs of an inner city area. Give **three** problems suggested by these photographs.

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(3 marks)

Question 4 continues on the next page

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4 (c) Study **Figure 12**, which shows squatter settlements in Kuala Lumpur in Malaysia.

Figure 12

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

4 (c) (i) Suggest reasons for the location of the squatter settlements shown in **Figure 12**.

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(4 marks)

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4 (c) (ii) Describe how the location of the squatter settlements may affect the people living there.

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4 (c) (iii) Many inhabitants of squatter settlements work in the informal sector. Describe this informal sector.

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5 Changing Rural Environments**Total for this question: 25 marks**

- 5 (a)** Study **Figure 13** which shows the village of Wilmington in Kent in 1940 and the present day.

Figure 13

Figure 13 is not reproduced here due to third-party copyright constraints.



5 (a) (i) Describe changes to the village between 1940 and the present day.

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(3 marks)

5 (a) (ii) Explain why villages such as Wilmington have grown.

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5 (b) Government initiatives try to make living in the countryside more sustainable.

Describe how **one named** government initiative has tried to make living in the countryside more sustainable.

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5 (c) (i) Give **one** reason why many subsistence farmers in tropical areas remain poor.

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(2 marks)

5 (c) (ii) A subsistence farmer in a tropical area may change to cash crop cultivation. Describe the possible disadvantages of this change.

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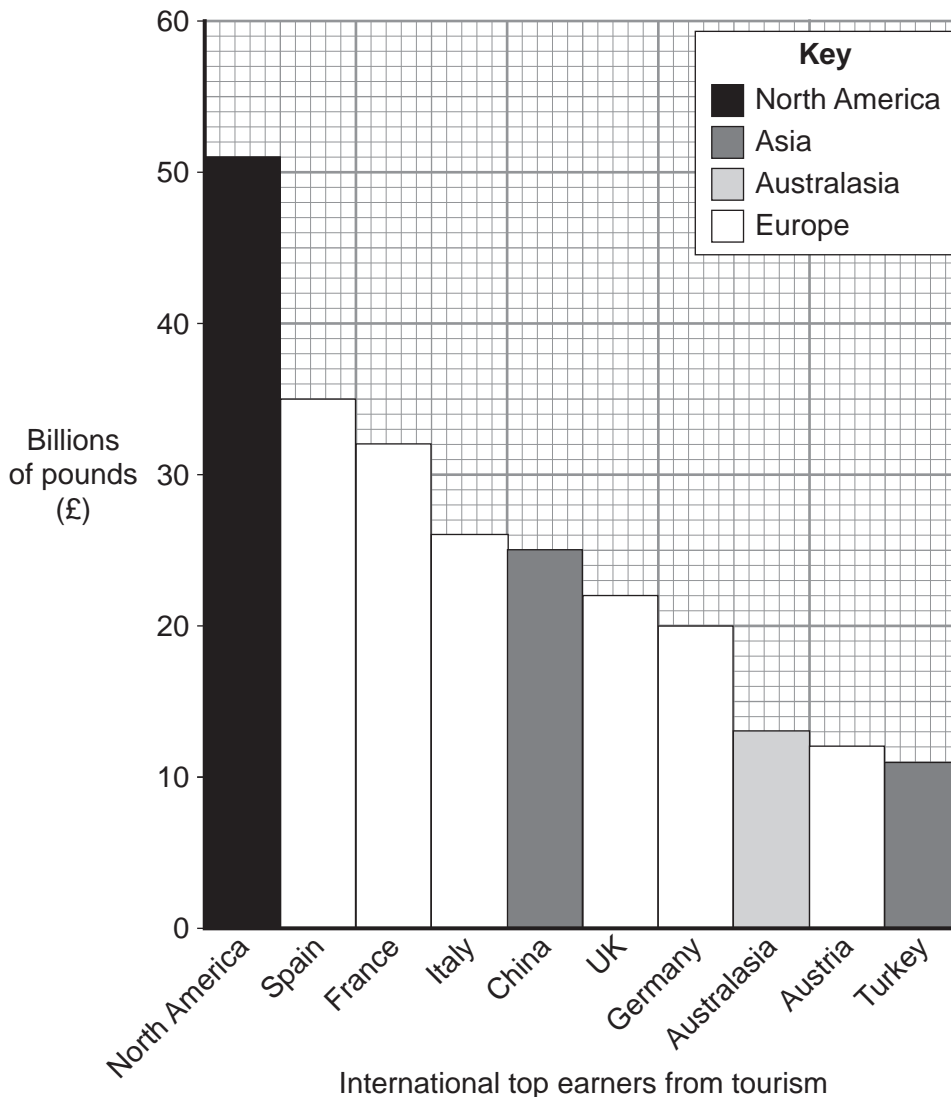


6 Tourism

Total for this question: 25 marks

6 (a) Study **Figure 14** which shows the countries that were the top ten earners from tourism in 2007.

Figure 14



6 (a) (i) What does **Figure 14** show about the top ten earners from tourism?

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(2 marks)



6 (a) (ii) Explain how external factors such as terrorist actions can affect the amount of money the UK earns from tourism.

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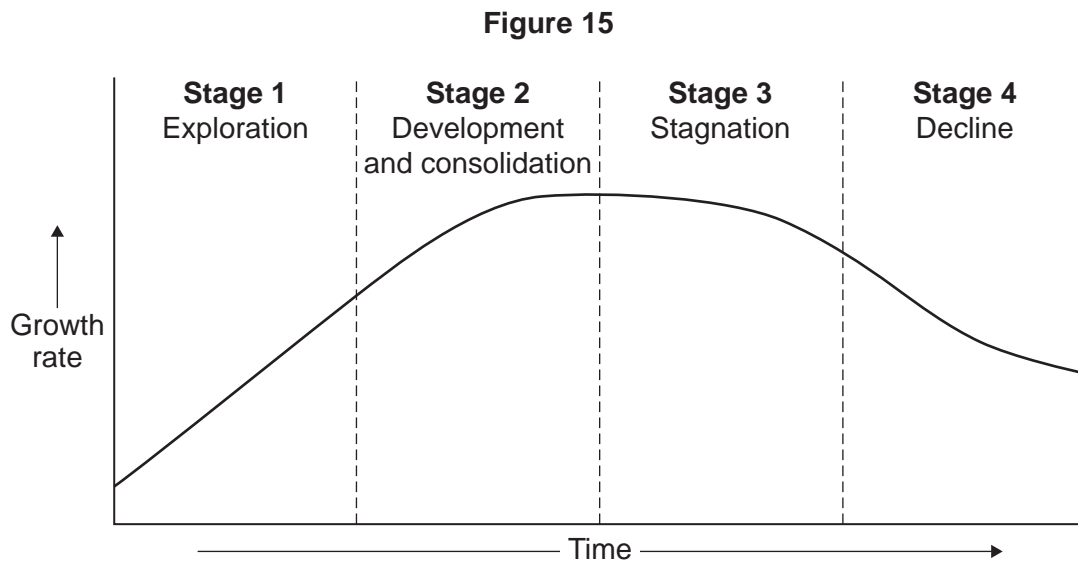
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6 (b) Study **Figure 15** which shows how a tourist area may change over time.



6 (b) The following is a list of features of the different stages shown in **Figure 15**.

A	Water supply cannot meet the needs of so many tourists
B	Very few tourists
C	Introduction of the Blue Flag guide for beach quality
D	Decline in traditional occupations such as farming and fishing
E	Clean, unspoilt beaches and villages
F	Number of tourists decreases because people go to different places
G	Increasing traffic noise and problems of crime and vandalism
H	Building of many hotels, bars and cafés

Complete the table below by writing the letter of the feature in the correct box.
You should only use each letter once.
Four have been done for you.

Stage 1 Exploration	Stage 2 Development and consolidation	Stage 3 Stagnation	Stage 4 Decline
B	D	A	C

(3 marks)



6 (c) Explain why it is important for the tourist industry in **either** a National Park **or** a coastal resort in the UK to be successful.

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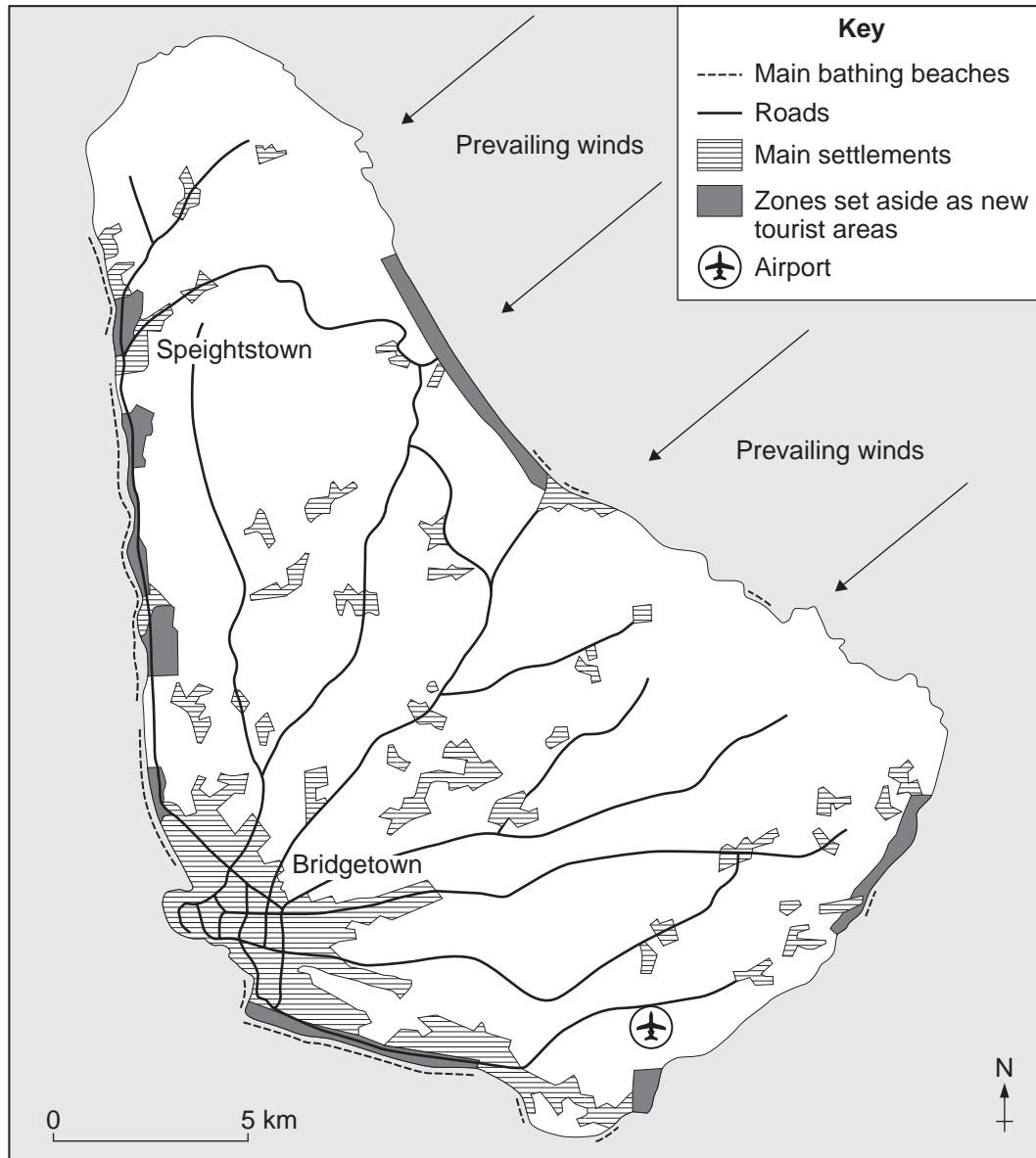
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6 (d) Study **Figure 16** which shows some information about tourism on the island of Barbados.

Figure 16

Barbados



6 (d) (i) Suggest reasons for the location of the new tourist areas shown in **Figure 16**.

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