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General Certificate of Secondary Education  
June 2006

**GEOGRAPHY (SPECIFICATION A)  
Short Course**

**Foundation Tier**

3036/F

**F**



Monday 5 June 2006 9.00 am to 10.30 am

**For this paper you must have:**

- the Ordnance Survey map extract (enclosed);
- the insert (enclosed).

You may use a calculator.

See last page of this document.

Time allowed: 1 hour 30 minutes

**Instructions**

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.

- SECTION A – Skills**  
Answer **ALL** questions.
- SECTION B –** Answer **TWO** questions only.
- SECTION C –** Answer **ONE** question only.

- Do all rough work in this book. Cross through any work you do not want marked.
- If you need extra paper, use the Supplementary Answer Sheets.

**Information**

- The maximum mark for this paper is 70.
- The marks for questions are shown in brackets.
- You will be assessed on your ability to:
  - present relevant information in a form and style that suits its purpose;
  - ensure that text is legible and that spelling, punctuation and grammar are accurate;
  - use specialist vocabulary where appropriate.
- An LEDC is a Less Economically Developed Country.
- An MEDC is a More Economically Developed Country.

For Examiner's Use			
Number	Mark	Number	Mark
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
Total (Column 1)	→		
Total (Column 2)	→		
TOTAL			
Examiner's Initials			

**SECTION A**

Answer **ALL** questions in Section A.

**1**

**Total for this question: 7 marks**

Study **Figure 1**, the Ordnance Survey map extract of Ross-on-Wye.

(a) Name the largest settlement in grid square 6026.

.....  
(1 mark)

(b) Give the length of the motorway shown on the map.

.....  
(2 marks)

(c) Give the direction from the roundabout in grid square 6025 to the roundabout in grid square 5824.

.....  
(1 mark)

(d) Tick the correct box for each of the following statements to show whether it is **true** or **false**.

	<b>True</b>	<b>False</b>
There are three road bridges across the river at Ross-on-Wye.	<input type="checkbox"/>	<input type="checkbox"/>
The motorway is located in grid square 6125.	<input type="checkbox"/>	<input type="checkbox"/>
Several secondary roads meet in grid square 5924.	<input type="checkbox"/>	<input type="checkbox"/>

(3 marks)

7

**Turn over for the next question**

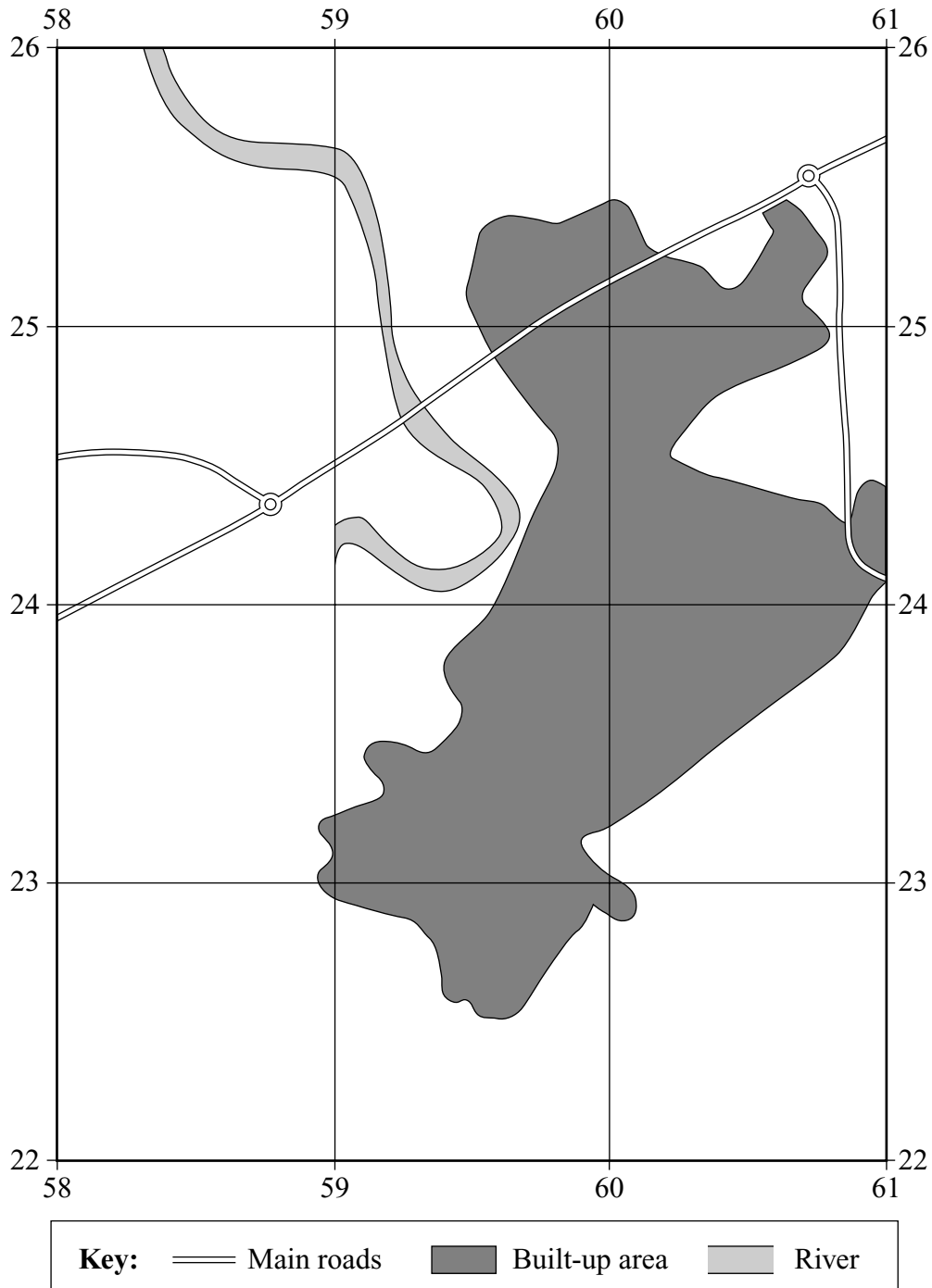
2

Total for this question: 7 marks

Study **Figure 2**, a sketch-map of Ross-on-Wye.

It is drawn at the same scale as **Figure 1**, the Ordnance Survey map extract.

**Figure 2**



(a) Using **Figure 1**, the Ordnance Survey map extract, complete the following on **Figure 2**:

Label the A40(T).

Mark and name **one** tourist attraction.

Complete and label the drawing of the course of the River Wye.

*(5 marks)*

(b) Give **two** reasons for the shape of the built-up area of Ross-on-Wye.

1 .....

.....

2 .....

.....

*(2 marks)*

7

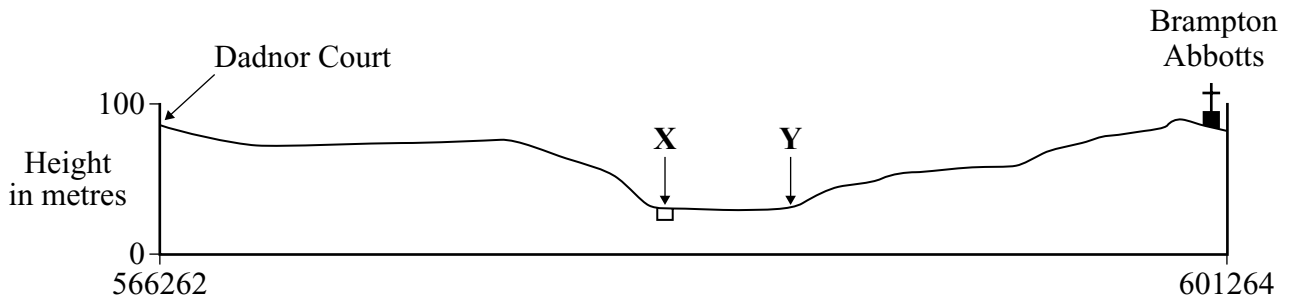
**Turn over for the next question**

3

Total for this question: 6 marks

Study **Figure 3**, a cross-section from 566262 to 601264 in **Figure 1**, the Ordnance Survey map extract.

**Figure 3**



(a) Name the features at **X** and **Y**.

**X** .....

**Y** .....

(2 marks)

(b) Describe the relief (height and shape of the land) shown on the cross-section in **Figure 3**.

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(4 marks)

6

**Turn over for Section B**

**SECTION B**

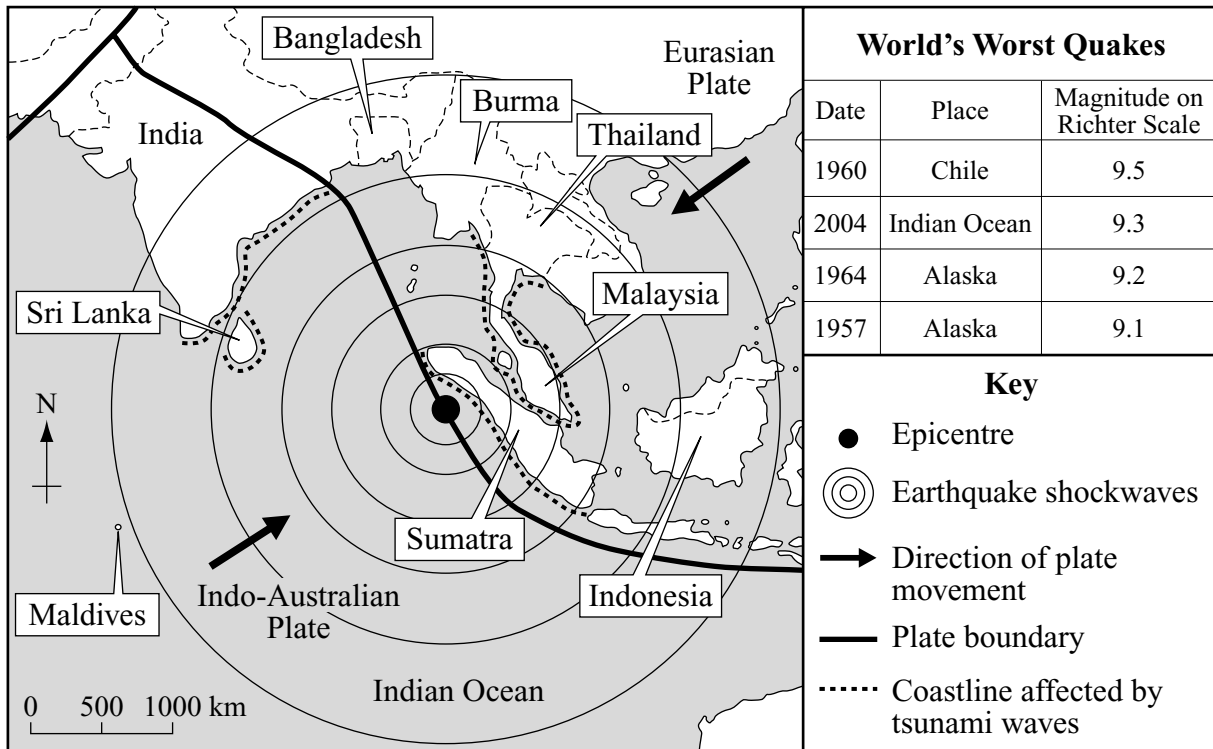
Answer **TWO** questions only in Section B.

**4 Tectonic Activity**

**Total for this question: 15 marks**

- (a) Study **Figure 4**, which shows information about the earthquake in the Indian Ocean on 26 December 2004.

**Figure 4**



- (i) What did the earthquake measure on the Richter Scale?

.....  
(1 mark)

- (ii) Off the coast of which island was the epicentre of the earthquake?

.....  
(1 mark)

- (iii) What caused the loss of life in the affected countries?

.....  
(1 mark)



- (iv) Using **Figure 4**, complete the sentences below to explain why there was an earthquake.

There is a plate boundary in the ..... Ocean. Here the plates are moving ..... . The plates are called the Indo-Australian plate and the ..... plate. The plates suddenly moved, causing the earthquake.

*(3 marks)*

- (v) Suggest why the loss of life was so great in Sumatra, part of an LEDC.

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*(4 marks)*

**Question 4 continues on the next page**

(b) Study **Figure 5**, which shows the area around Mount Vesuvius, a volcano in Italy.

Sketch Map of Mount Vesuvius, Italy - not reproduced here due to third-party copyright constraints.

(i) Using **Figure 5**, explain why it is an advantage to live near to Mount Vesuvius.

.....  
.....  
.....  
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.....

*(3 marks)*

(ii) Describe the disadvantages of living near to volcanoes such as Vesuvius.

.....  
.....  
.....  
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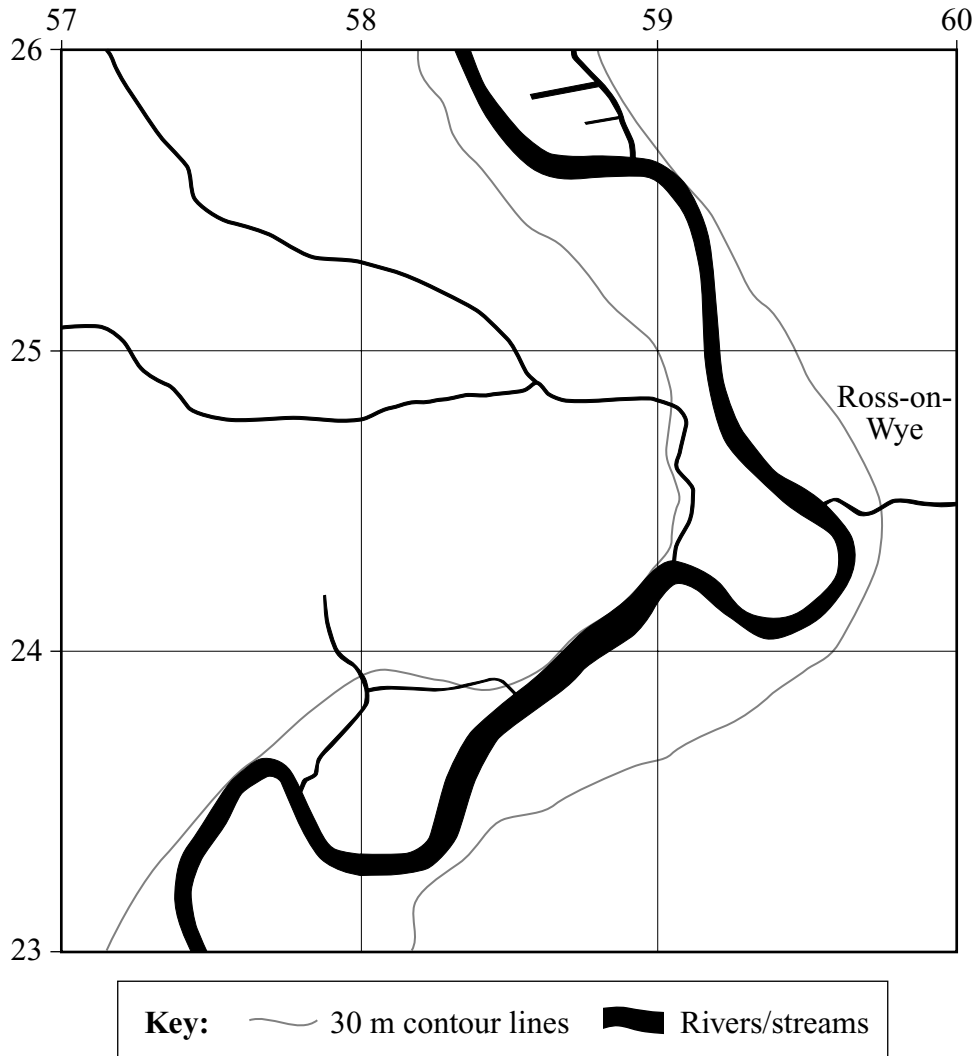
*(2 marks)*

## 5 River Landscapes and Processes

Total for this question: 15 marks

- (a) **Figure 6** is a sketch-map of part of the area shown in **Figure 1**, the Ordnance Survey map extract of Ross-on-Wye.

Figure 6



- (i) On **Figure 6**, mark with an arrow and label the following:

**meander**  
**tributary**  
**flood plain**

(3 marks)

Question 5 continues on the next page

(ii) What is a levée?

.....  
.....

(1 mark)

(iii) Complete the sentences below to explain how a flood plain is formed.  
Choose the correct words from this list.

<b>migrate</b>	<b>corrasion</b>	<b>outside</b>	<b>flows</b>
<b>attrition</b>	<b>inside</b>	<b>floods</b>	<b>retreat</b>

Hydraulic power and ..... erode the  
..... bend of a meander. The meanders also  
..... downstream. When the river  
..... , silt and sand are deposited which build up the  
flood plain.

(4 marks)

(b) Study **Figure 7**, on the insert, a map showing what might happen if the River Wye flooded.

(i) Describe the likely effects of flooding on the area shown in **Figure 7**.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

*(4 marks)*

(ii) Describe how the area could be protected from future flooding.

.....  
.....  
.....  
.....  
.....  
.....  
.....

*(3 marks)*

<b>15</b>

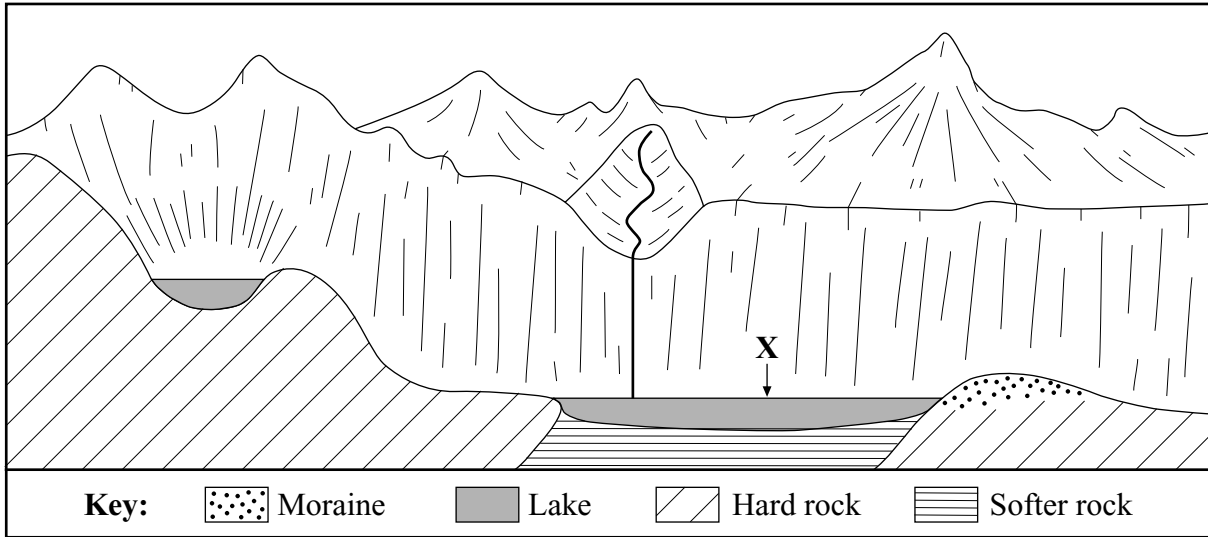
**Turn over for the next question**

6 Glacial Landscapes and Processes

Total for this question: 15 marks

(a) Study **Figure 8**, a section through an upland glaciated landscape.

**Figure 8**



(i) On **Figure 8**, mark with an arrow and label the following:

- a corrie**
- a hanging valley**

(2 marks)

(ii) Describe the shape of a corrie.

.....

.....

.....

.....

(2 marks)

- (iii) Feature **X** is a ribbon lake.  
Complete the sentences below to explain the formation of a ribbon lake.  
Choose the correct words from this list.

**more****freezes****melts****freeze-thaw****plucking****less****scree****moraine**

As a glacier flows along a valley it passes over bands of hard and soft rock.

The glacier erodes the rocks by abrasion and .....

The softer rocks are eroded ..... quickly to a greater depth. This forms a hollow. At the end of a glacier

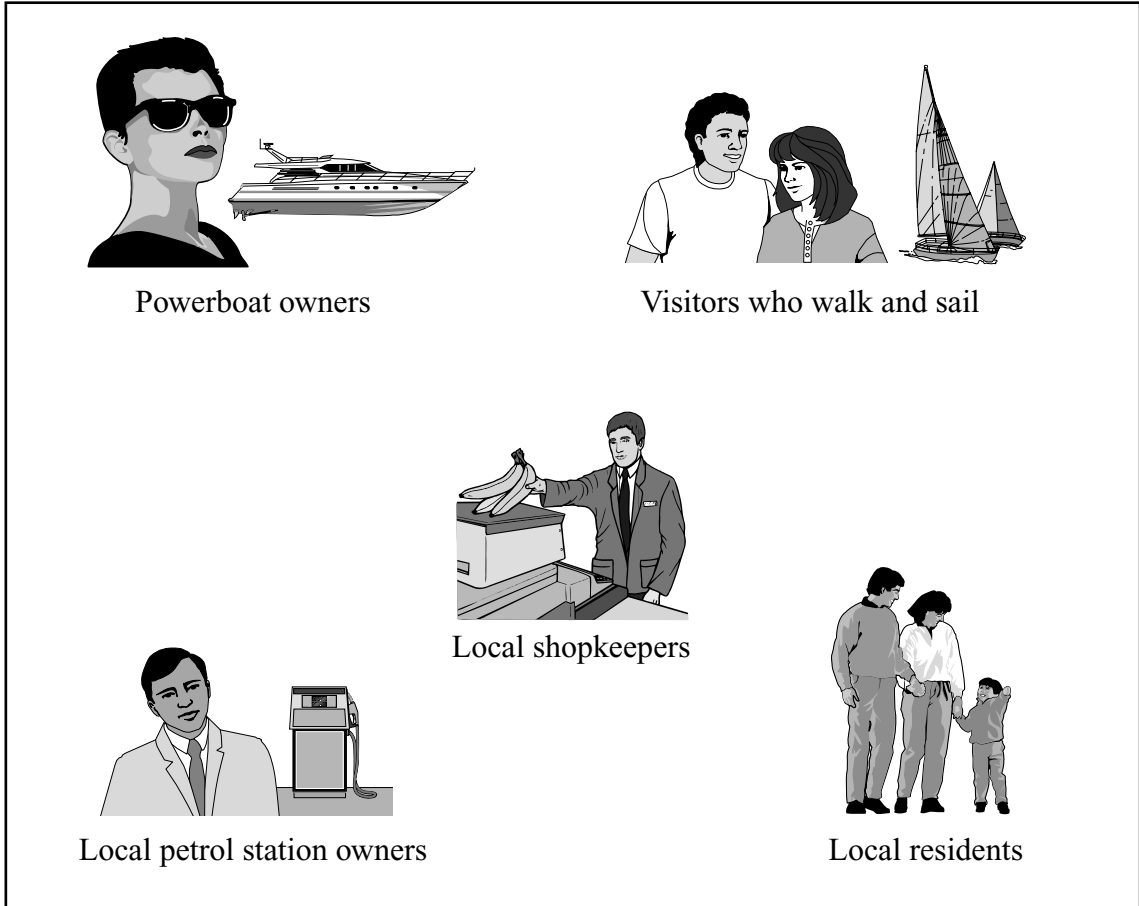
..... is deposited which blocks the valley. After the glacier ..... the hollow is filled with water to form a ribbon lake, e.g. Lake Windermere.

*(4 marks)*

**Question 6 continues on the next page**

- (b) Since 2005 many powerboats have stopped using Lake Windermere because of a new 10 mph speed limit. **Figure 9** shows some people who have opinions about this speed limit.

**Figure 9**



- (i) Using **Figure 9**, choose **one** group of people that is against the speed limit on Lake Windermere and say why.

Name of group .....

.....

.....

.....

.....

(2 marks)

- (ii) Using **Figure 9**, give **one** group of people that is in favour of the speed limit.

.....

(1 mark)



(iii) Suggest why some people are in favour of the speed limit on Lake Windermere.

.....

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.....

*(4 marks)*

<b>15</b>

**Turn over for the next question**

**7 Coastal Landscapes and Processes**

**Total for this question: 15 marks**

(a) Study **Figure 10**, on the insert, a photograph of Flamborough Head on the east coast of England.

(i) Name features **X** and **Y**.

**X** .....

**Y** .....

*(2 marks)*

(ii) Feature **Z** is a wave-cut platform. Complete the sentences below to explain how a wave-cut platform is formed.

Choose the correct words from this list.

**wave-cut notch**

**attrition**

**advances**

**constructive**

**retreats**

**destructive**

**stack**

**hydraulic power**

The base of the cliffs is attacked by ..... waves.

These erode the cliffs by ..... and corrasion

forming a ..... . This gets larger until the cliff collapses.

As the process is repeated many times the cliff .....

leaving a wave-cut platform below.

*(4 marks)*

(b) Study **Figure 11**, on the insert, a photograph which shows some coastal defences in an area of sand dunes.

(i) Suggest why this stretch of coastline may need coastal defences.

.....  
.....  
.....  
.....

*(2 marks)*

(ii) Describe the types of coastal defences shown in **Figure 11**.

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*(3 marks)*

(c) Explain how some coastal defences work.

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*(4 marks)*

<b>15</b>

**End of Section B**

**Turn over for Section C**

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

## SECTION C

Answer **ONE** question in Section C, **either** Question 8, Question 9 **or** Question 10.

## 8 Settlement

**Total for this question: 20 marks**

- (a) Read **Figure 12**, which gives information about a large city.

**Figure 12**

The CBD is in the centre of the city. The high class houses are just outside the CBD. The poorest people live in shanty towns on the edge of the city and along the main road and railway line. Rapid urbanisation is taking place because of migration.

- (i) What do the letters CBD stand for?

.....  
(1 mark)

- (ii) Where is this city likely to be located?  
Tick **one** of the boxes below.

MEDC	<input type="checkbox"/>
LEDC	<input type="checkbox"/>

(1 mark)

- (iii) Cities grow because people move to them. Which word in **Figure 12** describes this movement?

.....  
(1 mark)

- (iv) Which word in **Figure 12** describes the increasing percentage of people living in towns and cities?

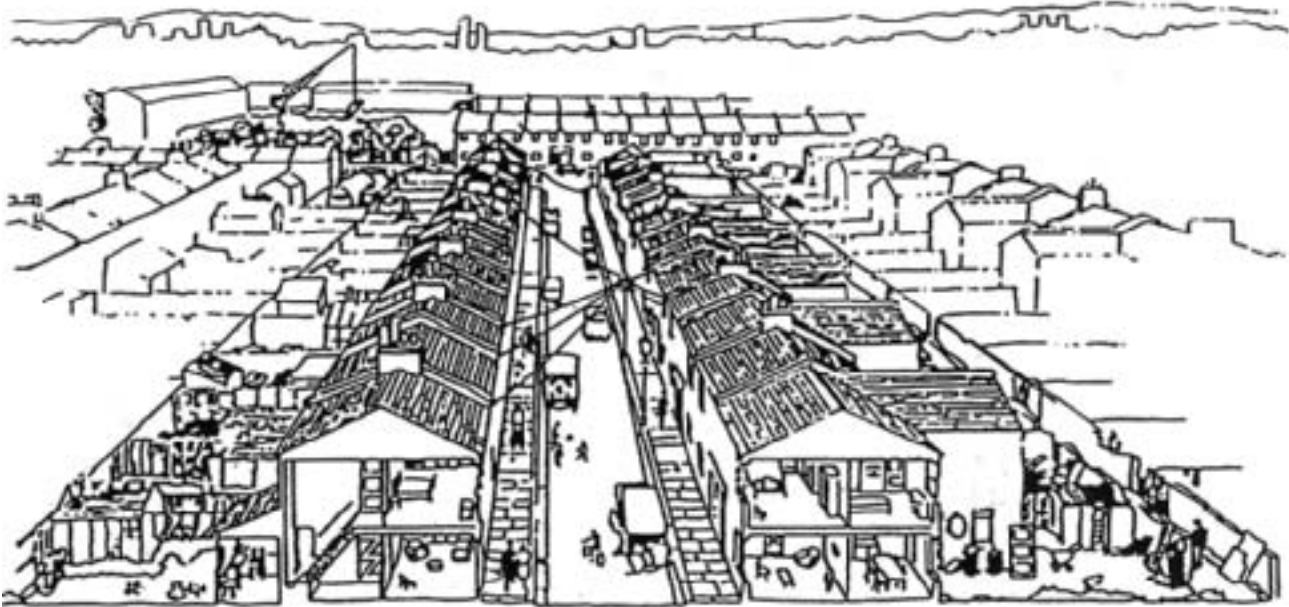
.....  
(1 mark)

**Question 8 continues on the next page**

- (b) Study **Figures 13a** and **13b**. They show the changes that have taken place in an inner-city area in an MEDC.

**Figure 13a**

**Before redevelopment**



**Figure 13b**

**After redevelopment**



(i) Give **two** changes that have taken place.

1 .....

.....

2 .....

.....

*(2 marks)*

(ii) For **each** change, explain why it has taken place.

1 .....

.....

.....

.....

2 .....

.....

.....

.....

*(4 marks)*

(iii) There are other ways in which inner-city areas have been improved.  
Describe **one** other improvement **not** shown in **Figure 13b**.

.....

.....

.....

.....

*(2 marks)*

**Question 8 continues on the next page**

(iv) Explain why changes in inner-city areas may bring disadvantages to some of the original residents.

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*(4 marks)*

(c) Describe the disadvantages of developing the rural-urban fringe around settlements.

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*(4 marks)*

<b>20</b>



**9 Agriculture****Total for this question: 20 marks**

- (a) Read
- Figure 14**
- , which gives information about farming in Canada.

**Figure 14**

Wheat is one of the main crops grown in Canada. It is grown by farmers using an extensive system of production. The deep black-earth soils and the use of combine harvesters are important. Outputs from the farms are huge because of the large cultivated area rather than because lots of money is spent on fertilisers and labour. These commercial farms sell much of their wheat overseas.

- (i) From
- Figure 14**
- , name a physical factor important for the growing of wheat.

.....  
(1 mark)

- (ii) Fertilisers and labour are which part of the farming system?
- 
- Tick
- one**
- of the boxes below.

Inputs	<input type="checkbox"/>
Outputs	<input type="checkbox"/>

(1 mark)

- (iii) These Canadian farmers produce wheat for sale.
- 
- Which word in
- Figure 14**
- describes this type of farming?

.....  
(1 mark)

- (iv) Output per hectare of farmland is relatively low in Canada.
- 
- Which word in
- Figure 14**
- describes this type of farming?

.....  
(1 mark)

**Question 9 continues on the next page**

- (b) Study **Figures 15a** and **15b**. They show the changes that have taken place in a farming area in an MEDC.

Changes that have taken place in a farming area in an MEDC  
- not reproduced here due to third-party copyright constraints.

(i) Give **two** changes that have taken place.

1 .....

2 .....

(2 marks)

(ii) For **each** change, explain why it has taken place.

1 .....

.....

2 .....

.....

(4 marks)

(iii) There are other ways in which farming has changed.  
Describe **one** other change **not** shown in **Figure 15b**.

.....

.....

(2 marks)

**Question 9 continues on the next page**

(iv) Describe environmental problems caused by modern farming.

.....

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.....

(4 marks)

(c) Describe the inputs, processes and outputs for **one** type of farming system in an LEDC that you have studied. You may include a diagram in your answer.

Farming system .....

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.....

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.....

.....

.....

(4 marks)

**Turn over for the next question**

**10 Managing Resources****Total for this question: 20 marks**

- (a) Read
- Figure 16**
- , which gives information about an environmental problem.

**Figure 16**

<p>The burning of non-renewable fuels is a major source of greenhouse gases. Deforestation has meant that greenhouse gases are not removed naturally from the atmosphere. These gases build up and less heat from the earth escapes back into the atmosphere, so the temperature increases.</p>
---

- (i) Name a greenhouse gas.

.....  
(1 mark)

- (ii) What environmental problem is described in
- Figure 16**
- ?
- 
- Tick
- one**
- of the boxes below.

Destruction of the ozone layer	<input type="checkbox"/>
Global warming	<input type="checkbox"/>

(1 mark)

- (iii) The cutting down of forests is thought to play an important part in this environmental problem.
- 
- Which word in
- Figure 16**
- describes this process?

.....  
(1 mark)

- (iv) Which phrase in
- Figure 16**
- refers to coal, oil and gas?

.....  
.....  
(1 mark)

(b) Describe the advantages of **one** example of renewable energy.

.....

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.....

*(4 marks)*

**Question 10 continues on the next page**

- (c) Study **Figures 17a** and **17b**. They show the changes that have taken place in a tourist area in an MEDC.

Changes that have taken place in a tourist area in an MEDC  
- not reproduced here due to third-party copyright constraints.



(i) Give **two** changes that have taken place.

1 .....

2 .....

*(2 marks)*

(ii) For **each** change, explain why it has taken place.

1 .....

.....

2 .....

.....

*(4 marks)*

(iii) There are other ways in which the development of a tourist industry can bring improvement to an area.

Describe **one** other improvement **not** shown in **Figure 17b**.

.....

.....

*(2 marks)*

**Question 10 continues on the next page**

(iv) Explain how the development of a tourist industry may bring disadvantages to an area.

.....

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.....

.....

*(4 marks)*

<b>20</b>

**END OF QUESTIONS**

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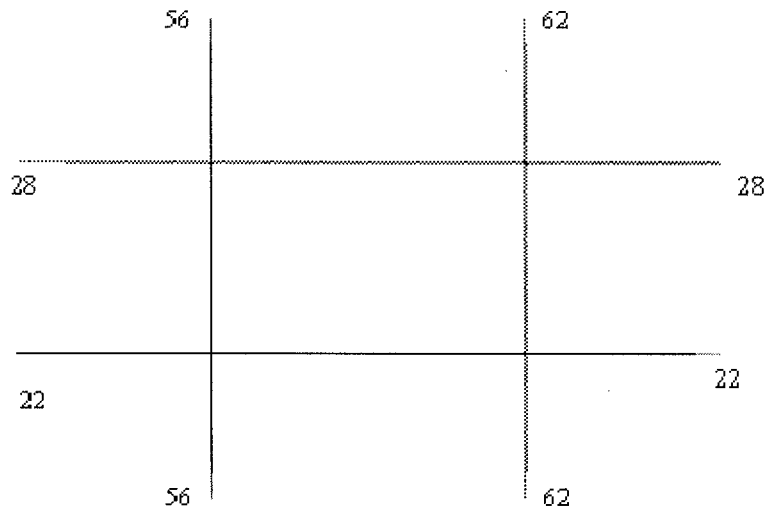
Question 4: Figure 4: adapted from "Where the Disaster Struck", *Northern Echo*, 27 December 2004. Newsquest (Northeast) Ltd  
Question 4: Figure 5: adapted from T.W. RANDLE, *Geographical Studies in Western Europe*, 5th Impression, Oliver & Boyd, 1980  
Question 5: Figure 7: Copyright © Environment Agency  
Question 7: Figure 10: J. PALLISTER AND A. BOWEN, *A2 Geography* (2001) Heinemann. Photograph © John Pallister  
Question 10: Figure 17b: [www.simplycostadelsol.com](http://www.simplycostadelsol.com)

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**ORDNANCE SURVEY MAP EXTRACTS FOR GCSE GEOGRAPHY SPECIFICATION A  
SUMMER 2006 EXAMINATION**

We are unable to reproduce the OS map extracts used in this paper due to third party copyright constraints.  
The details of the maps used are given below.

**FIGURE 1**  
**3031/1F, 3031/1H, 3036/F, 3036H**  
from OS Explorer Map OL14 - Wye Valley and Forest of Dean (1:25 000).

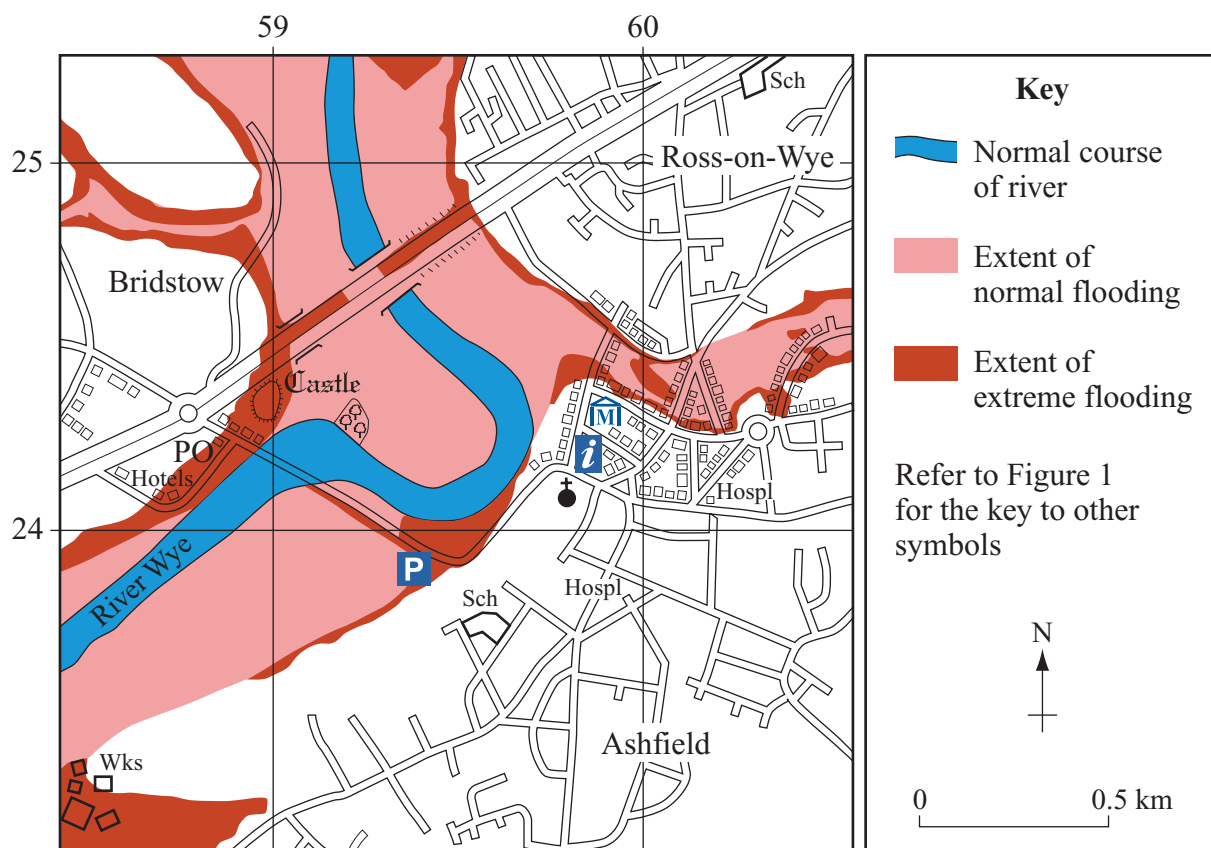


# Insert

Monday 5 June 2006 9.00 am to 10.30 am

For use with Question 5

Figure 7



**For use with Question 7**

**Figure 10**

Photo of Flamborough Head - not reproduced here due to third-party copyright constraints.

**For use with Question 7**

**Figure 11**

Line of sand dunes





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