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For Examiner's Use
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General Certificate of Secondary Education  
June 2007

**GEOGRAPHY (SPECIFICATION B)**  
**Paper 1**  
**Higher Tier**

**3032/1H**

**H**



Monday 4 June 2007 9.00 am to 10.15 am

**For this paper you must have:**

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

You may use a calculator.

Time allowed: 1 hour 15 minutes

**Instructions**

- Use blue or black ink or ball-point pen for written answers. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- Use your case studies to support your answers where appropriate.
- Answer the questions in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want to be marked.

**Information**

- The maximum mark for this paper is 75.
- 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.

For Examiner's Use			
Question	Mark	Question	Mark
1		5	
2		6	
3		7	
4			
Total (Column 1)			
Total (Column 2)			
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Answer **all** questions.

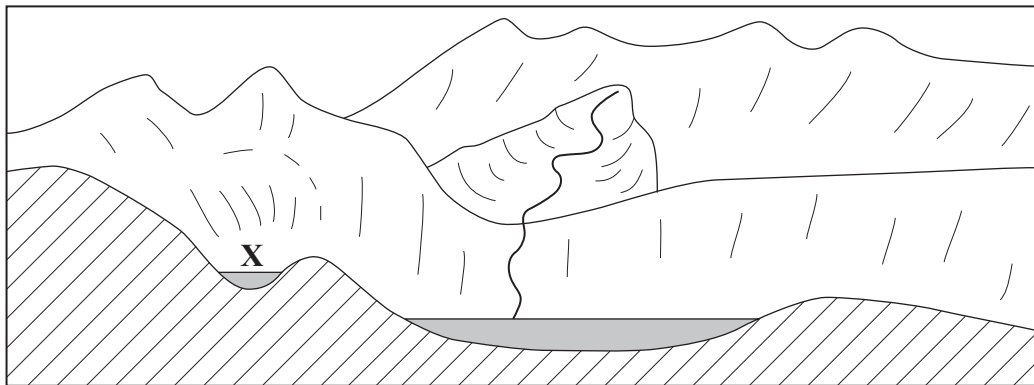
Use your case studies to support your answers where appropriate.

**Total for this question: 7 marks**

- 1 Each of the questions (a) – (d) is followed by several possible answers. For each question, tick the correct answer.

(a) Study **Figure 1**, a cross-section through part of the Lake District.

**Figure 1**



Which of the following glacial features is labelled with the letter **X**?

Arête

☐

Corrie

☐

Glacial trough

☐

(1 mark)

- (b) Which farming system is described in the following sentence?

“This type of farming uses small amounts of inputs on large areas of land.”

Intensive

☐

Extensive

☐

(1 mark)

(c) Which of the following is a disadvantage of using nuclear power to generate electricity?

It produces large amounts of waste.

☐

It is a very inefficient method.

☐

The power stations are expensive to build.

☐

(1 mark)

(d) Study the following figures from the 2001 census for the city of Leicester.

Ward	% of population who are non-whites	% of households with no car	% of overcrowded households
North Braunstone	2.9	33.0	2.9
Saffron	5.3	30.8	5.3
Spinney Hills	82.5	32.6	12.0

Which ward is likely to be in the inner city?

North Braunstone

☐

Saffron

☐

Spinney Hills

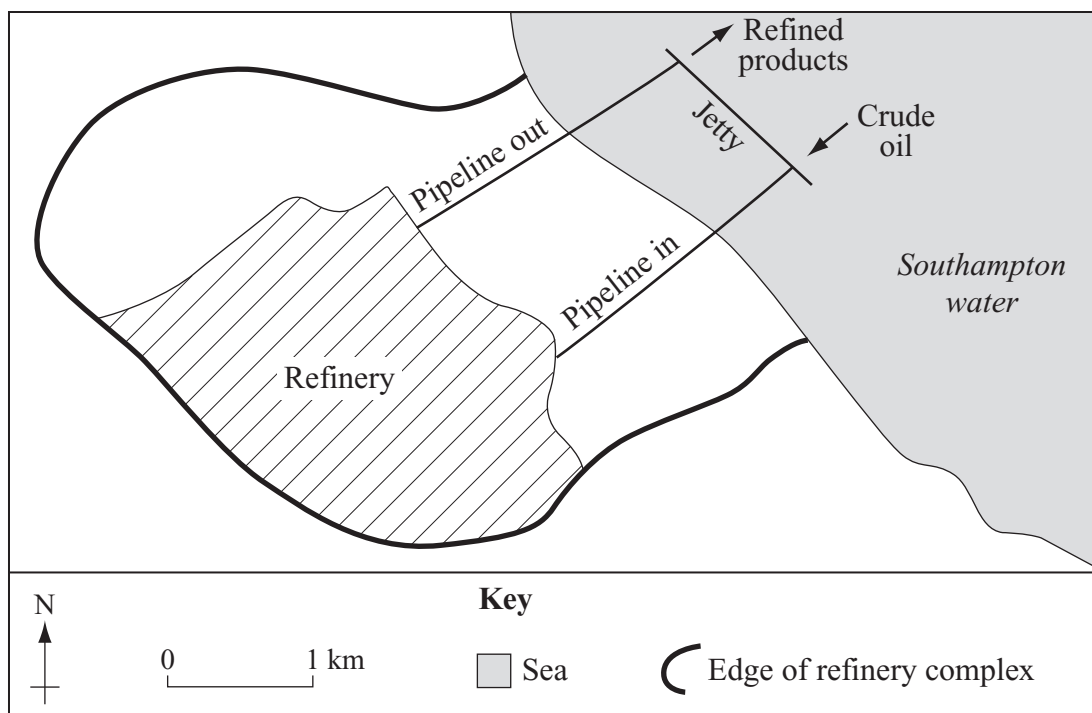
☐

(1 mark)

**Question 1 continues on the next page**

- (e) Study **Figure 2**, a sketch map of the Fawley oil refinery on Southampton Water.

**Figure 2**

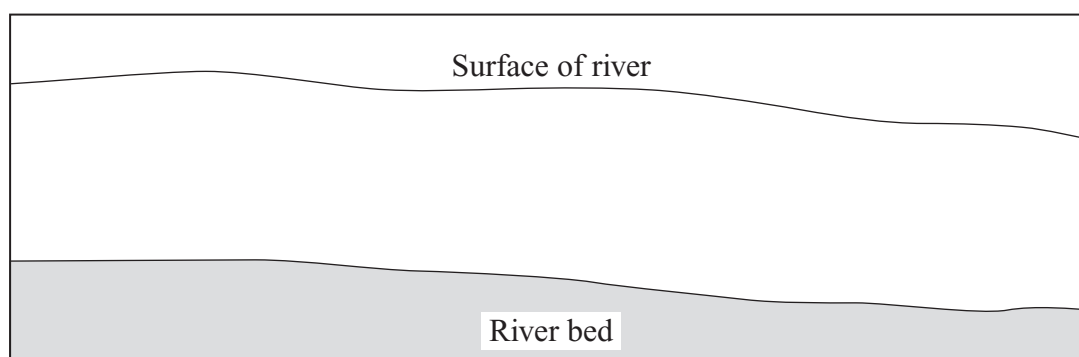


Why can this be described as a break-of-bulk location?

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 (1 mark)

- (f) Complete **Figure 3** in the box below to show how a river transports its load by saltation.

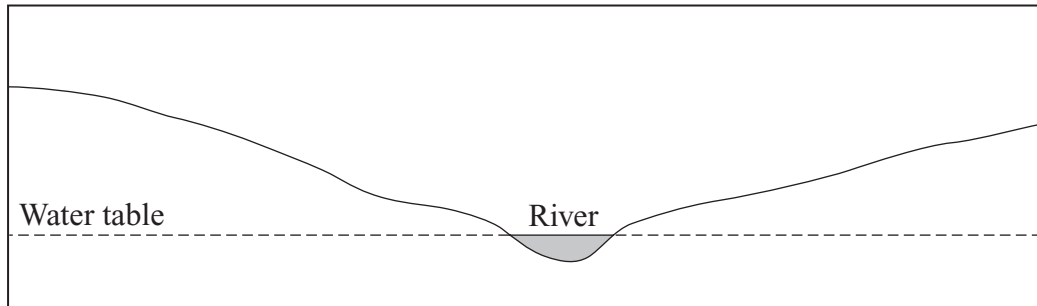
**Figure 3**



(1 mark)

- (g) Add an arrow to **Figure 4** below to show how water flows by throughflow in a river basin.

**Figure 4**



(1 mark)

7

Turn over for the next question

**Total for this question: 7 marks**

**2** Study **Figure 5**, on the insert, a photograph which shows part of a river meander.

- (a) Draw a simple cross-section across the meander shown in **Figure 5**, and mark and label a river cliff and the slip-off slope.



*(3 marks)*

- (b) Explain why the meander cross-section has this shape.

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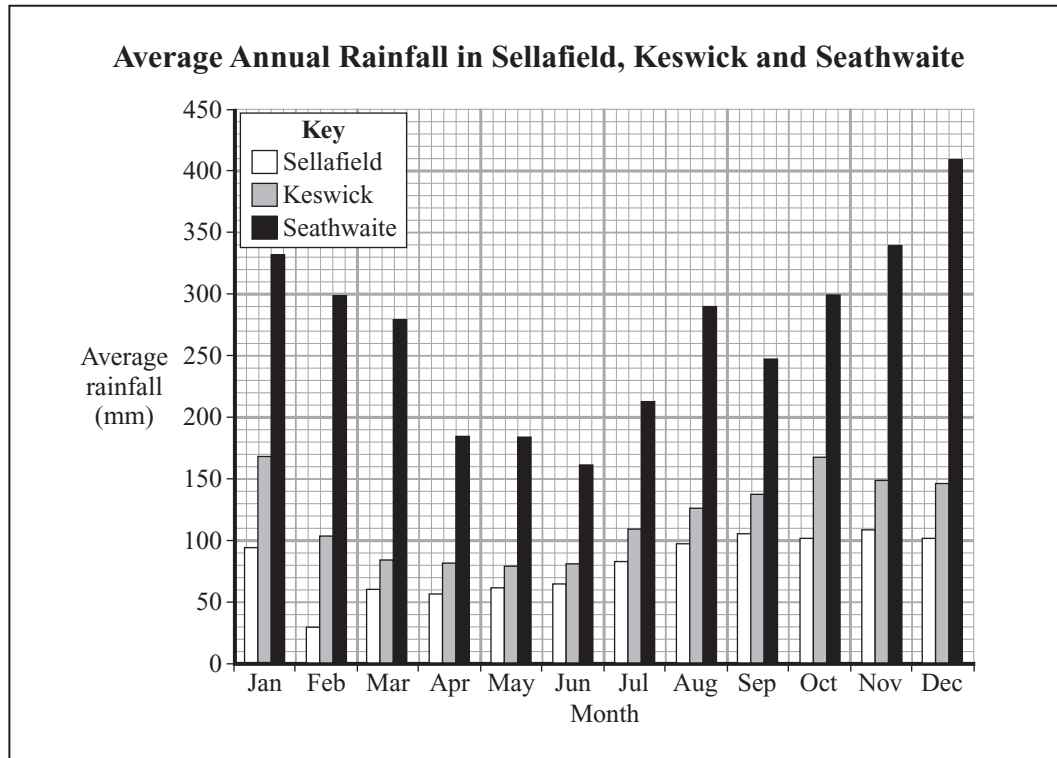
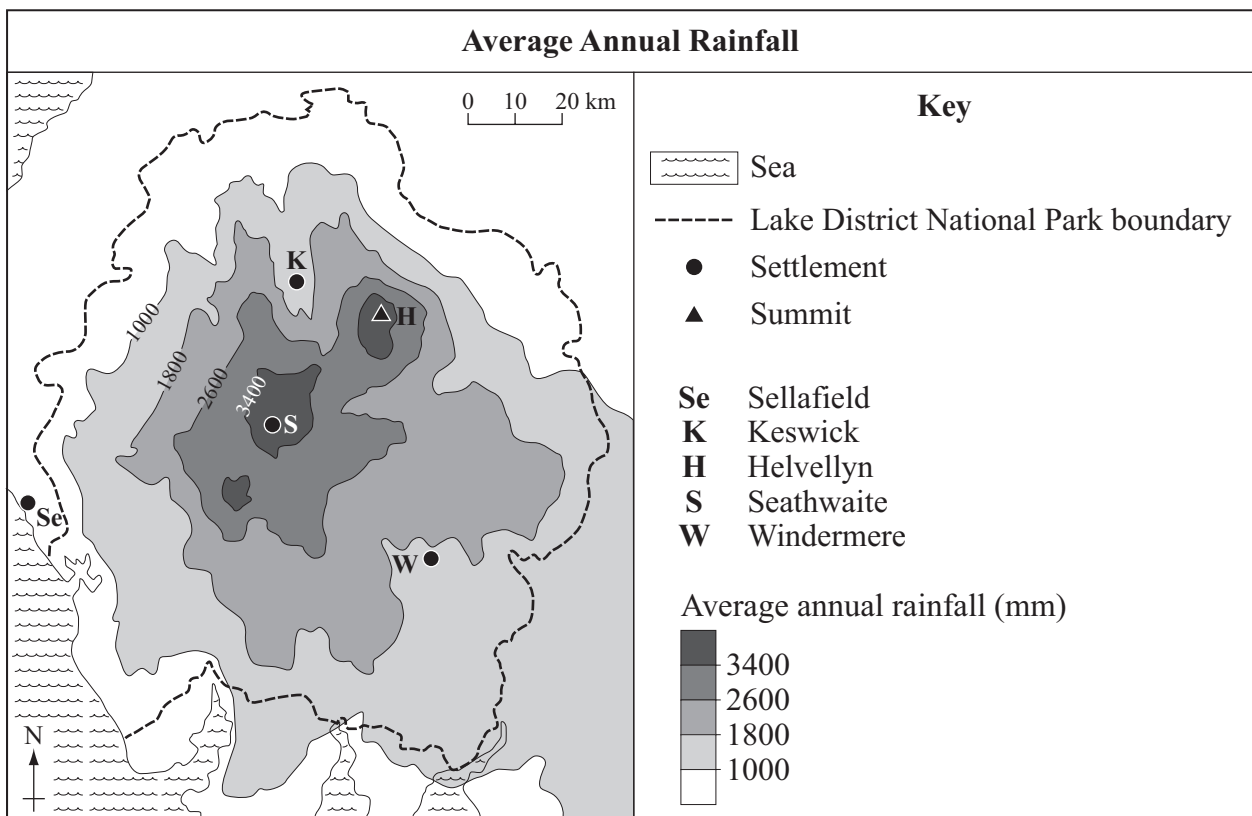
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*(4 marks)*

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**Turn over for the next question**

Total for this question: 7 marks

3 Study **Figures 6a** and **6b**, which give information about the rainfall in the Lake District.**Figure 6a****Figure 6b**



- (a) What was the average rainfall for Seathwaite in August as shown in **Figure 6a**?

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(1 mark)

- (b) Describe the distribution of the rainfall in the Lake District shown in **Figure 6b**.

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(2 marks)

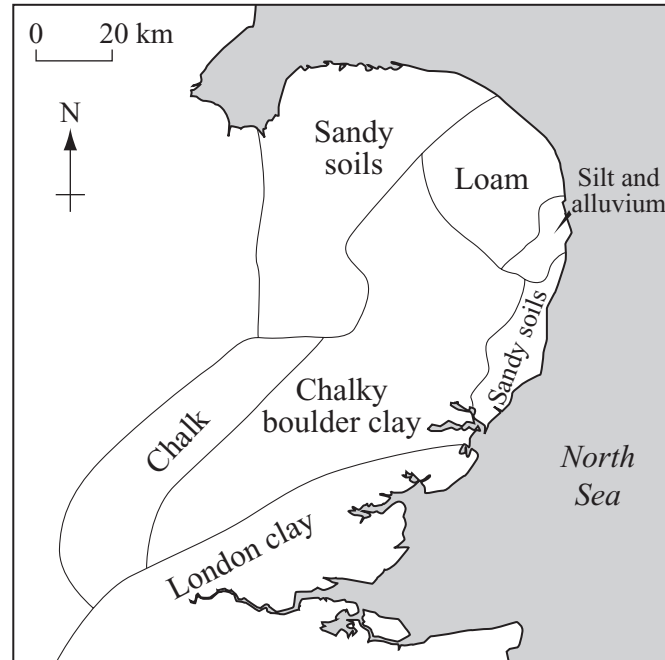
- (c) With the help of **Figures 6a** and **6b**, explain the distribution of rainfall in the Lake District.

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(4 marks)

7
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**Turn over for the next question**

Total for this question: 7 marks

4 Study **Figure 7**, which shows the soil types of East Anglia.**Figure 7**

- (a) Which soil type in **Figure 7** is the most important for the production of cereal crops such as wheat and barley?

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(1 mark)

- (b) Explain why this type of soil favours the production of cereal crops.

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(2 marks)

- (c) Explain, with the help of climatic statistics, why the climate of East Anglia is suitable for cereal production.

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(4 marks)

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**Turn over for the next question**

**Total for this question: 7 marks**

- 5 (a) What is the difference between comprehensive redevelopment and housing renovation?

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*(2 marks)*

- (b) Study **Figure 8**, on the insert, which shows an area of Stoke-on-Trent before and after improvement.

Suggest why this urban renewal scheme has advantages over a comprehensive redevelopment scheme.

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*(4 marks)*

- (c) Why can gentrification be considered a disadvantage to some people living in inner city areas?

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*(1 mark)*

**Total for this question: 20 marks****6 (a)** State **two** aims of National Parks.

- 1 .....
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*(2 marks)***(b)** Explain the formation of a ribbon lake.

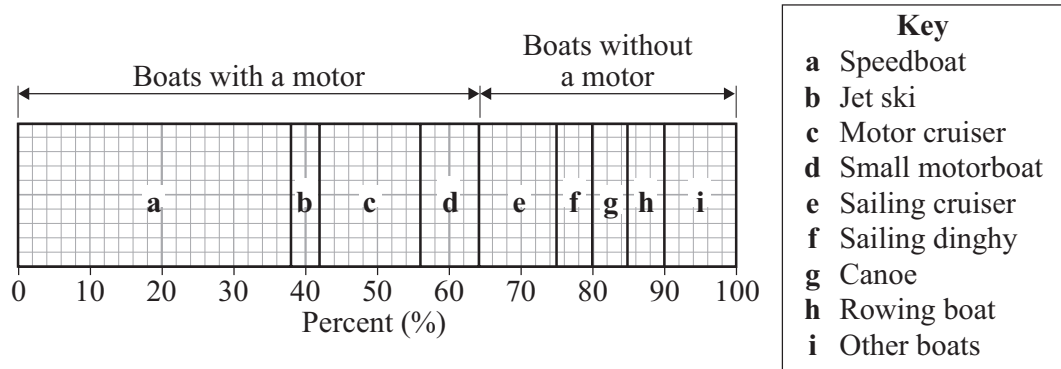
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*(6 marks)***Question 6 continues on the next page**

- (c) Lake Windermere is an important honeypot site in the Lake District National Park. Study **Figures 9a** and **9b**, which give information about water activities on Lake Windermere.

**Figure 9a**

**Boats using Lake Windermere on Sunday 7 July 1997**



**Figure 9b**

**A comparison of the number of boats using Lake Windermere between 1977 and 1997**

	1977	1997
Average number of boats using the lake	417	872
Average number of speedboats using the lake	115	368
Average number of boats without a motor using the lake	246	355

- (i) How would the environment of a honeypot site in the Lake District, like the Lake Windermere area, be affected by the presence of a large number of tourists? Use your own knowledge and evidence from **Figures 9a** and **9b** in your answer.

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(4 marks)

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[illegible]

20

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**Total for this question: 20 marks**

**7** Study **Figure 10**, the Ordnance Survey map extract of the area just to the south of the city of Oxford.

- (a) Describe the main features of the River Thames or Isis in the area shown on the map extract, **Figure 10**.

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*(4 marks)*

- (b) Didcot Power Station in the south of the map extract (5092) runs on coal and sawdust.

- (i) Suggest why the power station is reducing the amount of coal that it uses.

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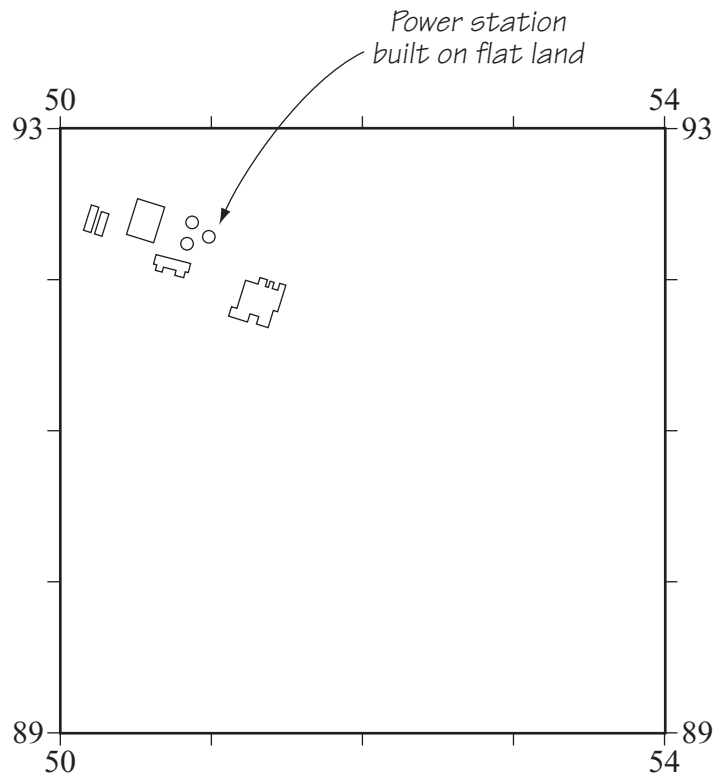
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*(2 marks)*

**Question 7 continues on the next page**

- (ii) In the box below, complete the annotated sketch map to show the advantages of the location at Didcot for a power station. One advantage has been done for you.



(4 marks)

- (c) (i) Many new houses have been built in villages such as Drayton (4794) and Sutton Courtenay (5093). Suggest why this has happened.

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(4 marks)

- (ii) Explain why such growth can bring both advantages and disadvantages to a village.

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(6 marks)

**END OF QUESTIONS**

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Question 3	Figure 6a:	Lake District National Park Authority.
	Figure 6b:	Lake District National Park Authority. © Crown copyright 2006, published by the Met Office.
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Question 5	Figure 8:	Readman & Mayers, <i>The Dynamic World 1</i> , Oliver & Boyd, Pearson Education Limited.
Question 6	Figures 9a and 9b:	Lake District National Park Authority.

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# Insert

**For use with Question 2**

**Figure 5**



## For use with Question 5

Figure 8

