

Surname						Other Names					
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General Certificate of Secondary Education
June 2004



**GEOGRAPHY (SPECIFICATION B)
HIGHER TIER
Paper 1**

3032/1H

H

Monday 7 June 2004 9.00 am to 10.15 am

In addition to this paper you will require:

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

You may use a calculator.

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

Time allowed: 1 hour 15 minutes

Instructions

- Use blue or black ink 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 in the spaces provided.
- Do all rough work in this book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 75.
- Mark allocations are shown in brackets.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary, where appropriate.

3032/1H

Answer **all** questions.

1

Total for this question: 7 marks

Study the Ordnance Survey map extract, **Figure 1**, showing part of South Wales.

(a) Study grid squares 7603, 7199, 7391 and 7892.

Complete the table below by writing:

- (i) the correct grid square against each description;
- (ii) a description for square 7391.

GRID SQUARE	DESCRIPTION
	A built up area on the side of a steep sided river valley.
	A steep sided hill reaching 418 metres, much of which is covered by coniferous forest.
7391	

(3 marks)

(b) Use examples from the map to show how the pattern of the roads has been affected by the physical geography of the area.

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(4 marks)

2

Total for this question: 7 marks

Study **Figure 2** on the insert which is an aerial photograph of a new urban development on the rural-urban fringe of Bristol.

(a) Name **two** kinds of land use shown in this new urban development.

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(2 marks)

(b) Which of the following terms best describes the type of development shown in the photograph?

Circle the correct answer.

counter-urbanisation suburbanisation gentrification

(1 mark)

(c) What evidence is there in the photograph that this is a planned development?

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(4 marks)

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7

TURN OVER FOR THE NEXT QUESTION

Turn over ►

3

Total for this question: 7 marks

Read the information in **Figure 3** about Kirkby Moor Wind Farm in the Lake District.

Kirkby Moor Wind Farm is near the town of Ulverston within a Site of Special Scientific Interest. It covers 150 hectares of moorland, but the turbines take up less than 1% of that land. The 12 turbines, each 25 metres high, have rotors 35 metres in diameter.

The turbines produce about 80% of the electricity used in Ulverston each year. It is estimated that the wind farm will prevent 12 000 tonnes of carbon dioxide from entering the atmosphere, and there will be about 200 tonnes less acid rain produced.

Figure 3

(a) Using **Figure 3**, suggest why people have different views about Kirkby Moor Wind Farm.

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(3 marks)

(b) Study **Figure 4** which shows the location of some wind farms in the United Kingdom.



Figure 4

Explain why these locations are likely to have been chosen.

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(4 marks)

Turn over ►

4

Total for this question: 7 marks

With the aid of a diagram(s) explain the formation of a waterfall.



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(7 marks)

5

Total for this question: 7 marks

Figure 5 shows hedgerow change in part of East Anglia.

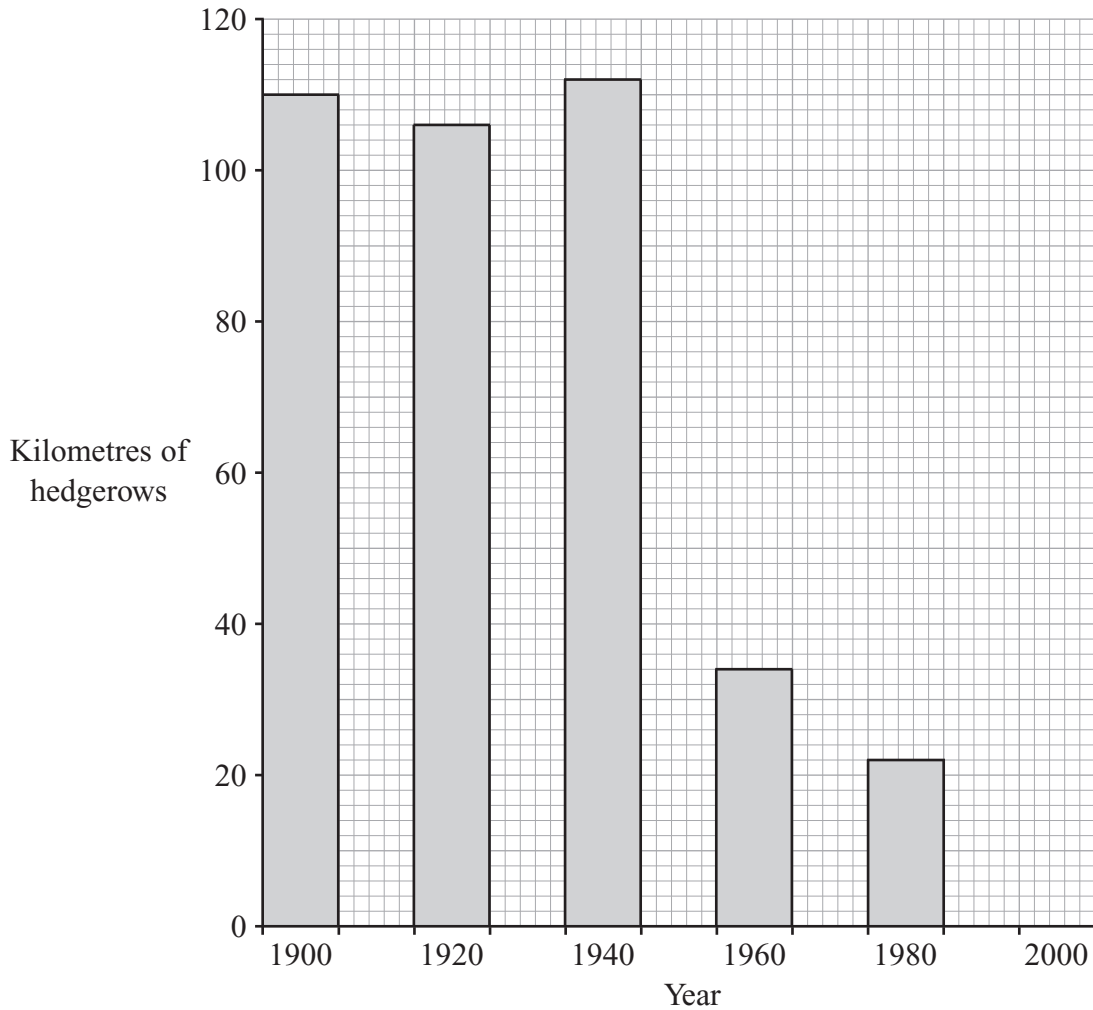


Figure 5

- (a) Complete the graph in **Figure 5** with the figure for 2000.

Year	Kilometres of Hedgerow
2000	19

(1 mark)

- (b) Suggest reasons for the hedgerow changes in East Anglia since 1940.

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(2 marks)

Turn over ►

(c) Explain why modern farming practices may have an effect on the environment.

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(4 marks)



6

Total for this question: 20 marks

(a) Study **Figures 6A** and **6B** which show how a hill sheep farm in the Lake District changed between 1930 and 1995.

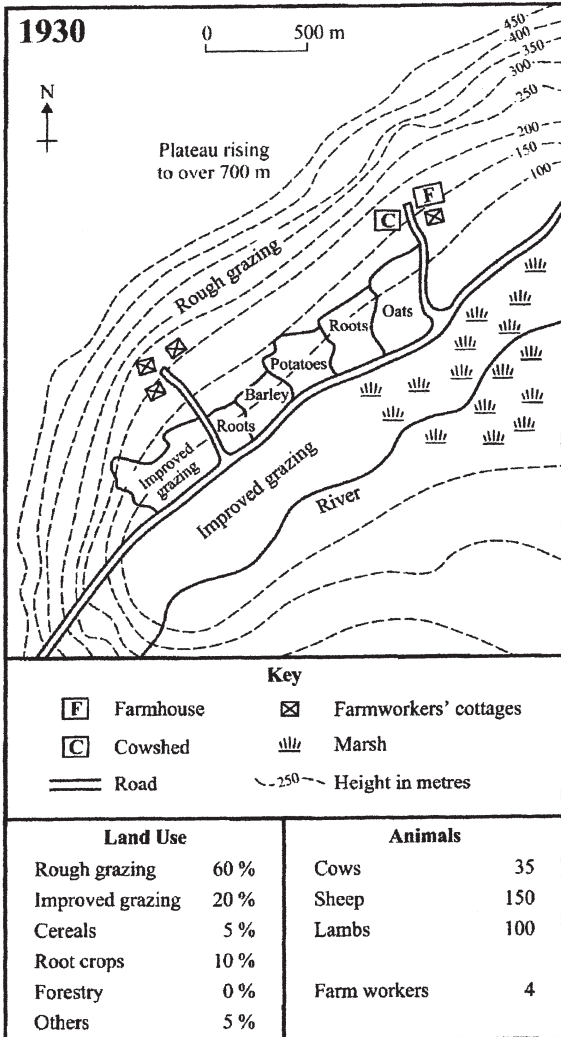


Figure 6A

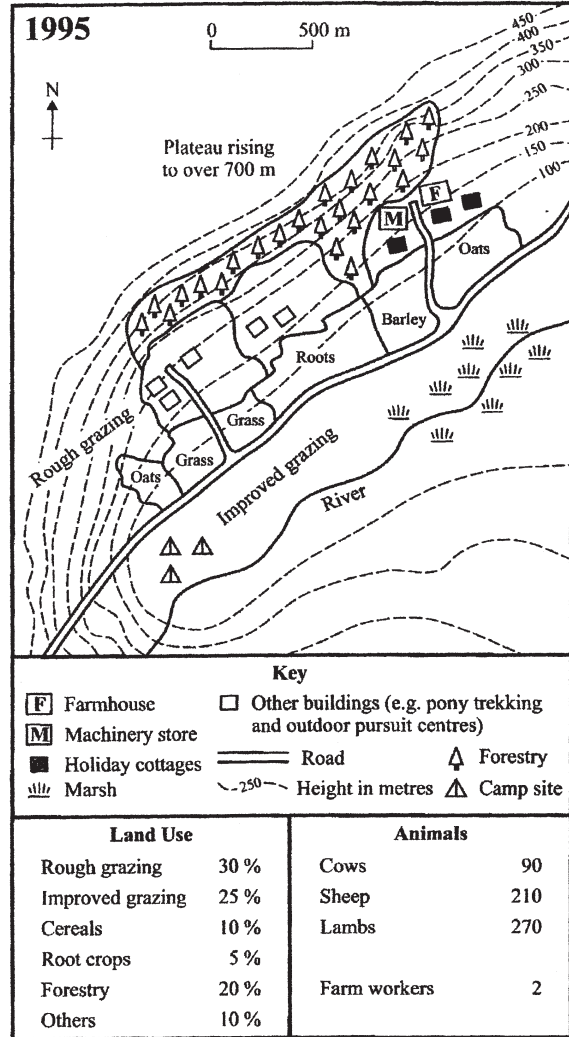


Figure 6B

(i) Describe how the farm diversified its activities between 1930 and 1995.

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(3 marks)

Turn over ►

7

Total for this question: 20 marks

(a) Study **Figure 8** which shows a manufacturing industry as a system.

Inputs	Processes	Outputs
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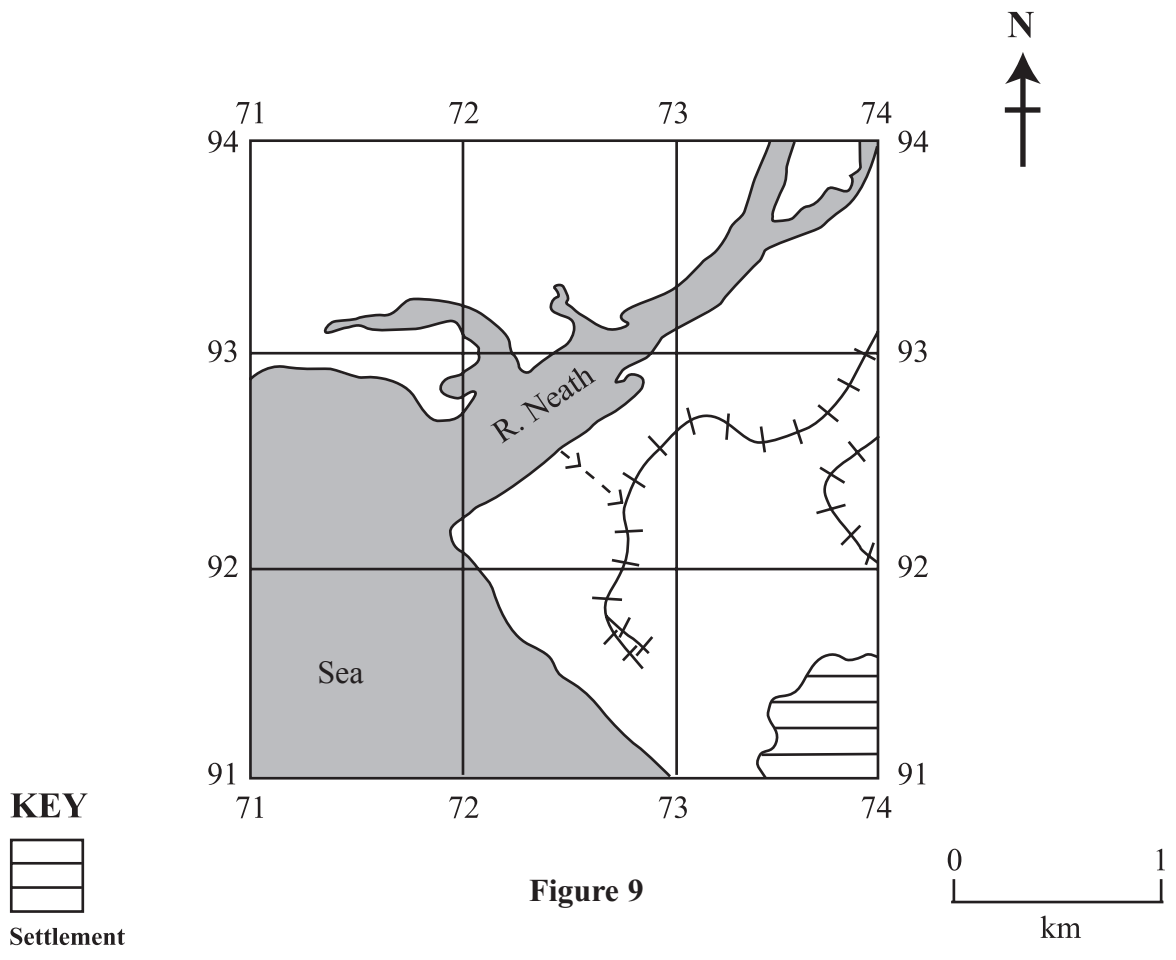
Figure 8

(i) Complete **Figure 8** by adding **one** example under each heading. *(3 marks)*

(ii) What is the meaning of the term “processes”?
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(1 mark)

(b) Why can the chemical industry be described as a “heavy industry”?
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(2 marks)

(c) Study the sketch map, **Figure 9** which shows the area between eastings 71 and 74 and between northings 91 and 94 on the Ordnance Survey map extract **Figure 1**.



Add **four** labels to **Figure 9** to show the advantages of this location for a chemical industry.

(4 marks)

Turn over ►

(d) Explain why high-tech industry has grown up along the M4 corridor.

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(6 marks)

(e) Describe how government policies have influenced the location of industry.

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(4 marks)

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20

END OF QUESTIONS

THERE ARE NO QUESTIONS PRINTED ON THIS PAGE

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Question 6	Figure 7A	Reproduced by permission of Ordnance Survey on behalf of The Controller of Her Majesty's Stationery Office, © Crown Copyright 100016622

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