

Centre Number	Candidate Number	Name
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UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

**GEOGRAPHY**

**0460/02**

Paper 2

May/June 2006

**1 hour 30 minutes**

Additional Materials: ruler  
protractor

1:50000 Survey Map Extract is enclosed with this question paper.

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name on all the work you hand in.  
Write in dark blue or black pen.  
You may use a soft pencil for any diagrams, graphs or rough working.  
Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

The Insert contains Photographs A and B for Question 3.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [ ] at the end of each question or part question.

For Examiner's Use	
1	
2	
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4	
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6	
<b>Total</b>	

This document consists of **14** printed pages and **2** blank pages and **1** insert.



1 The map extract is for part of the island of Jamaica. The scale is 1:50,000.

(a) Fig. 1 shows the position of some features in part of the map extract. Study the map extract and Fig. 1 and answer the questions on the opposite page.

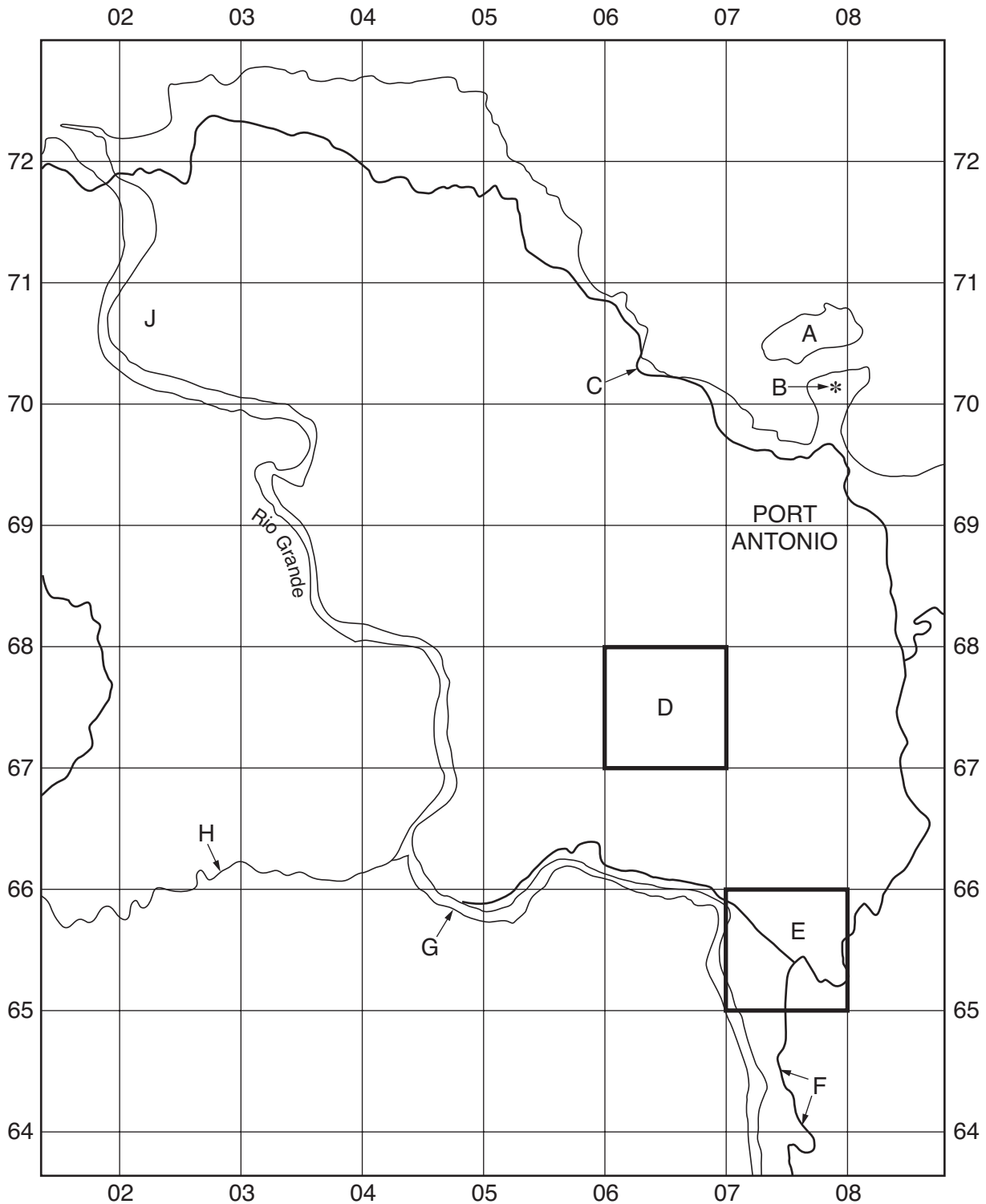


Fig. 1

Using the map extract, name the following features shown on Fig. 1:

- (i) island A (0770),  
.....[1]
- (ii) feature B at Fort George (079701),  
.....[1]
- (iii) the class of road at C (0670),  
.....[1]
- (iv) the vegetation in area D (0667),  
.....[1]
- (v) **two** services or functions provided at Fellowship (E) (0765),  
.....[1]
- (vi) the settlement pattern at F (0764),  
.....[1]
- (vii) the shape of the river course at G (0465, 0565),  
.....[1]
- (viii) river H (0266),  
.....[1]
- (ix) the plantation crop in area J (0270).  
.....[1]



**(d) (i)** A boat travels from Folly Point (088707) to Ship Head (050726). In which compass direction does the boat travel?

.....[1]

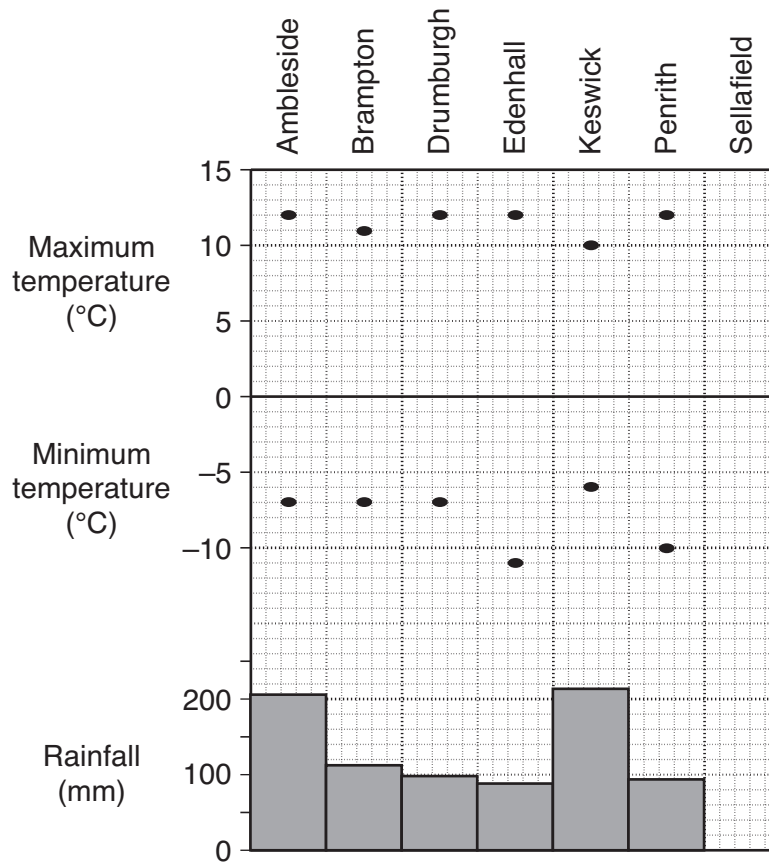
**(ii)** State the six figure grid reference for Ship Rock on the north coast.

.....[1]

**(iii)** Measure the distance along the railway from Snow Hill Halt (030725) to Norwich Halt (056712). Give your answer in metres.

.....metres [1]

- 2 Fig. 3 shows data from six weather stations in the county of Cumbria, northern England, for December 2003.



**Fig. 3**

- (a) (i) Which weather station had the lowest rainfall?

.....[1]

- (ii) State the rainfall total for Ambleside.

.....[1]

- (iii) State the minimum temperature for Keswick.

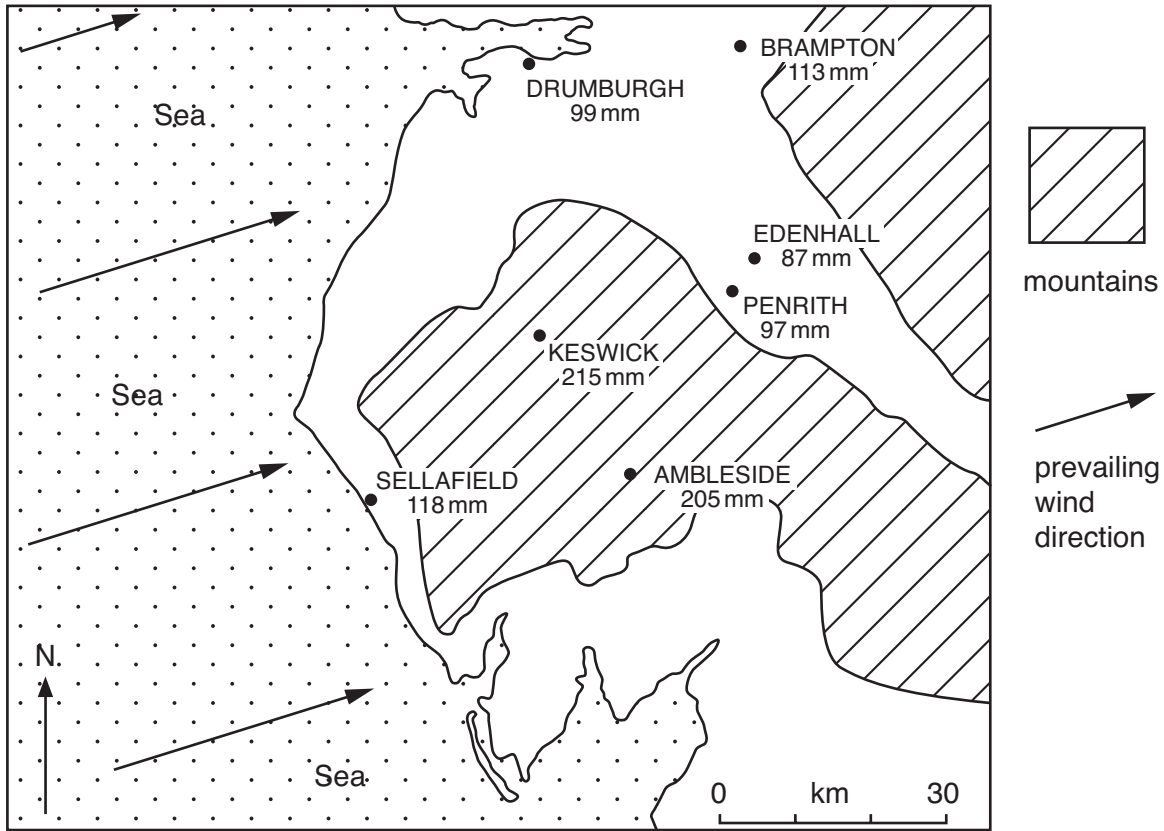
.....[1]

- (iv) Which weather station had the smallest range of temperature?

.....[1]

- (b) The weather station at Sellafield had a maximum temperature of  $13^{\circ}\text{C}$ , a minimum temperature of  $-3^{\circ}\text{C}$  and a rainfall total of 118 mm. Use this information to complete Fig. 3. [2]

(c) Fig. 4 shows the locations and rainfall totals of the seven weather stations. Using this information, suggest **two** reasons for the differences in rainfall totals between the stations.



**Fig. 4**

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[2]

**3** Photographs A and B (Insert) show two upland areas from different climatic zones of the world.

**(a)** Describe the relief features shown in Photograph A.

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.....  
.....[3]

**(b)** Describe the vegetation and drainage shown in the two photographs.

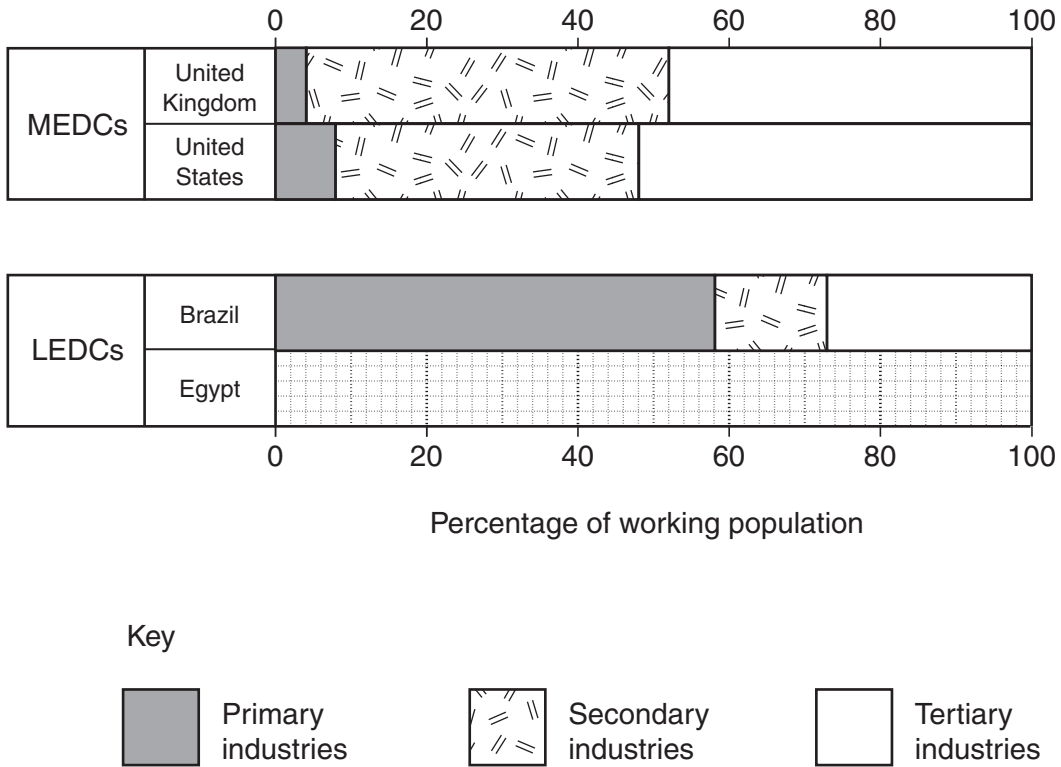
Photograph A .....  
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Photograph B .....  
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.....  
.....[5]



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- 4 Fig. 5 shows the percentages of the working population in primary, secondary and tertiary industries in four countries.



**Fig. 5**

- (a) State the percentage of the population in secondary industry in the United Kingdom.

.....[1]

- (b) The percentages of working population for Egypt are primary 56%, secondary 8%, tertiary 36%.

- (i) Complete Fig. 5 by adding the information for Egypt. Use the key provided. [2]

- (ii) Plot the information for Egypt on the triangular graph, Fig. 6, opposite. Show the position with a labelled dot. [2]



5 Table 1, Fig. 7 and Fig. 8 give information about world coal and oil reserves.

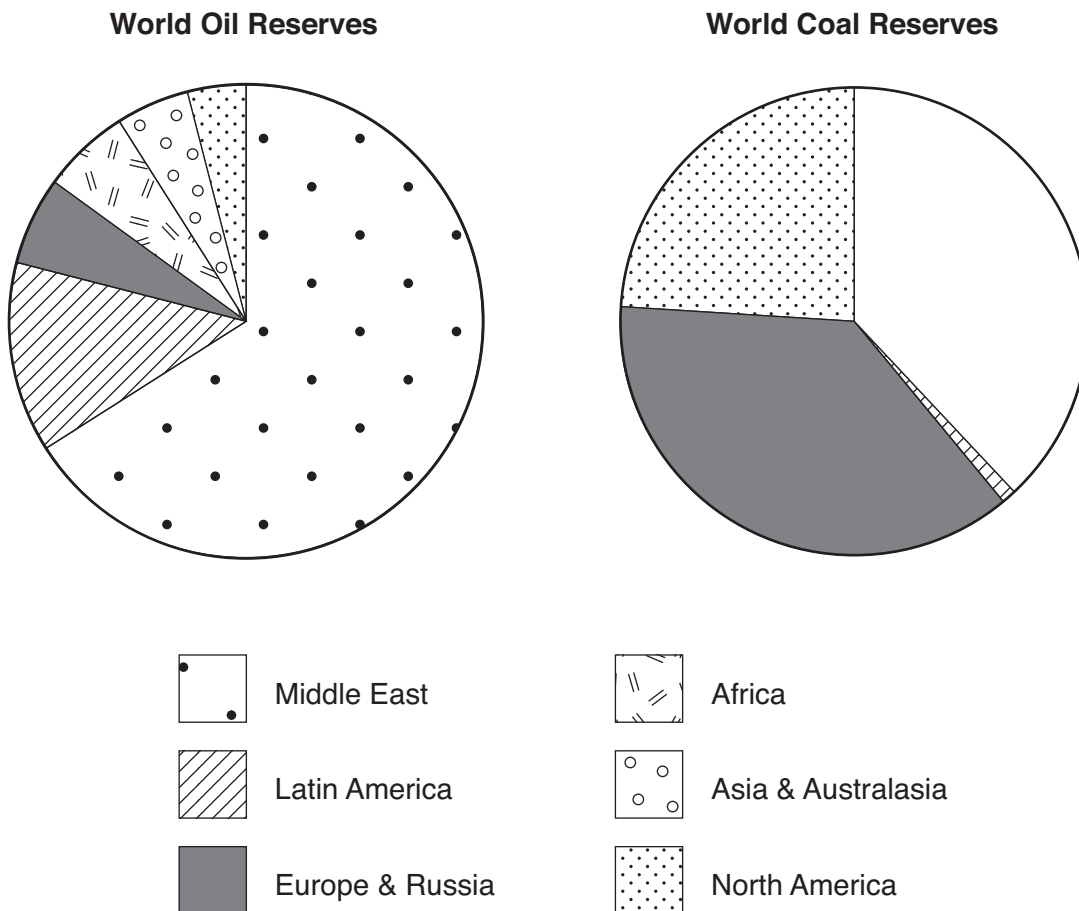
(a) Complete Table 1 by giving the percentage of coal reserves for Latin America. [1]

**World Coal Reserves**

Area	Amount (billions of tonnes)	Percentage
Asia & Australasia	337.2	32
Africa	62.3	6
Latin America	11.4	
Europe & Russia	379.1	37
North America	249.2	24
Total	1039.2	100

**Table 1**

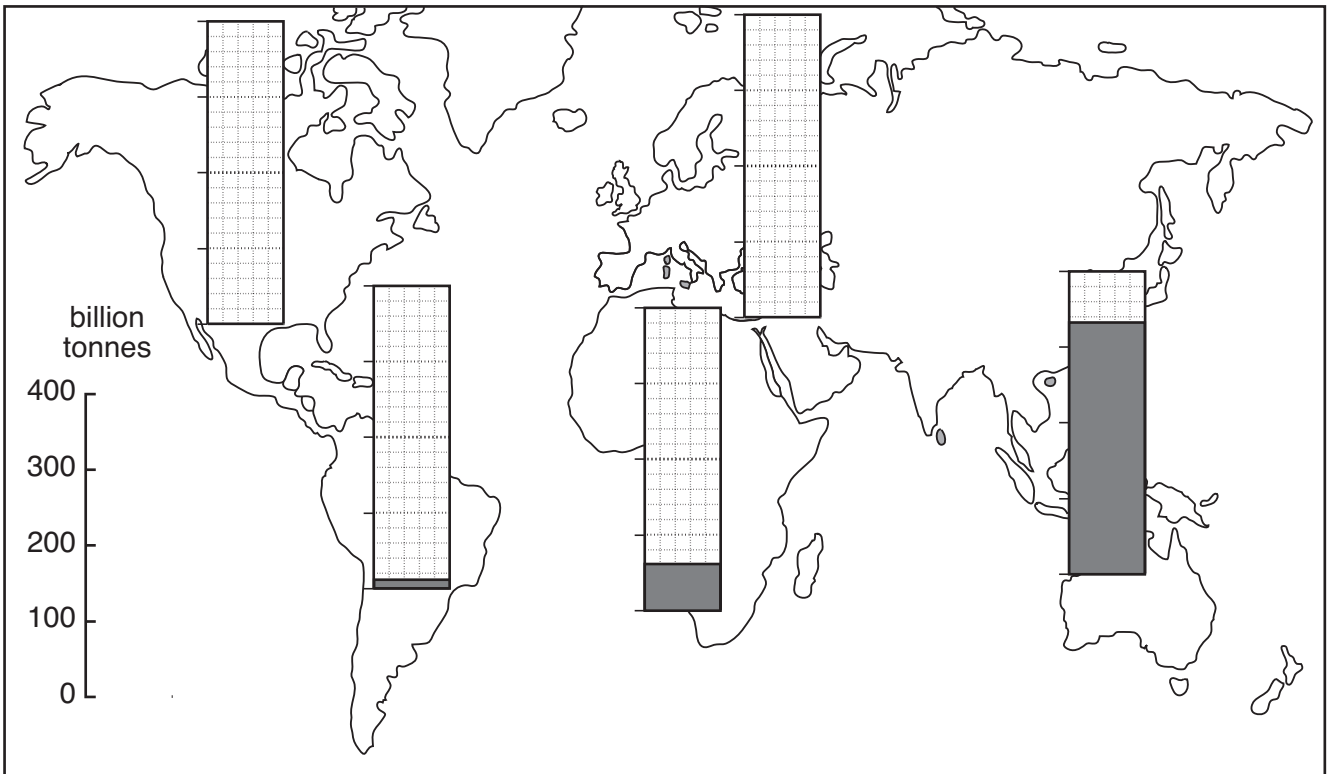
(b) Use the information in Table 1 to complete Fig. 7 for world coal reserves. Use the key provided. [1]



**Fig. 7**

(c) Use the information in Table 1 to complete Fig. 8 by completing the bar graphs for coal reserves for North America and Europe & Russia. [1]

**World Coal Reserves (billions of tonnes)**



**Fig. 8**

(d) Complete the following paragraph by writing in the spaces.

Over half of the world's oil reserves are found in ..... . The world's coal reserves are found mostly in three of the five areas which are:

Asia and Australasia; Europe and Russia; and .....

The continent with less than 10% of the world reserves of both oil and coal is .....

Oil and coal are non-renewable energy resources. They also have the disadvantage that burning them causes atmospheric pollution and .....

Countries are developing the use of renewable energy resources such as ..... [5]

6 Fig. 9 is a map of an area of Europe where a motorway is to be built to by-pass a large city.

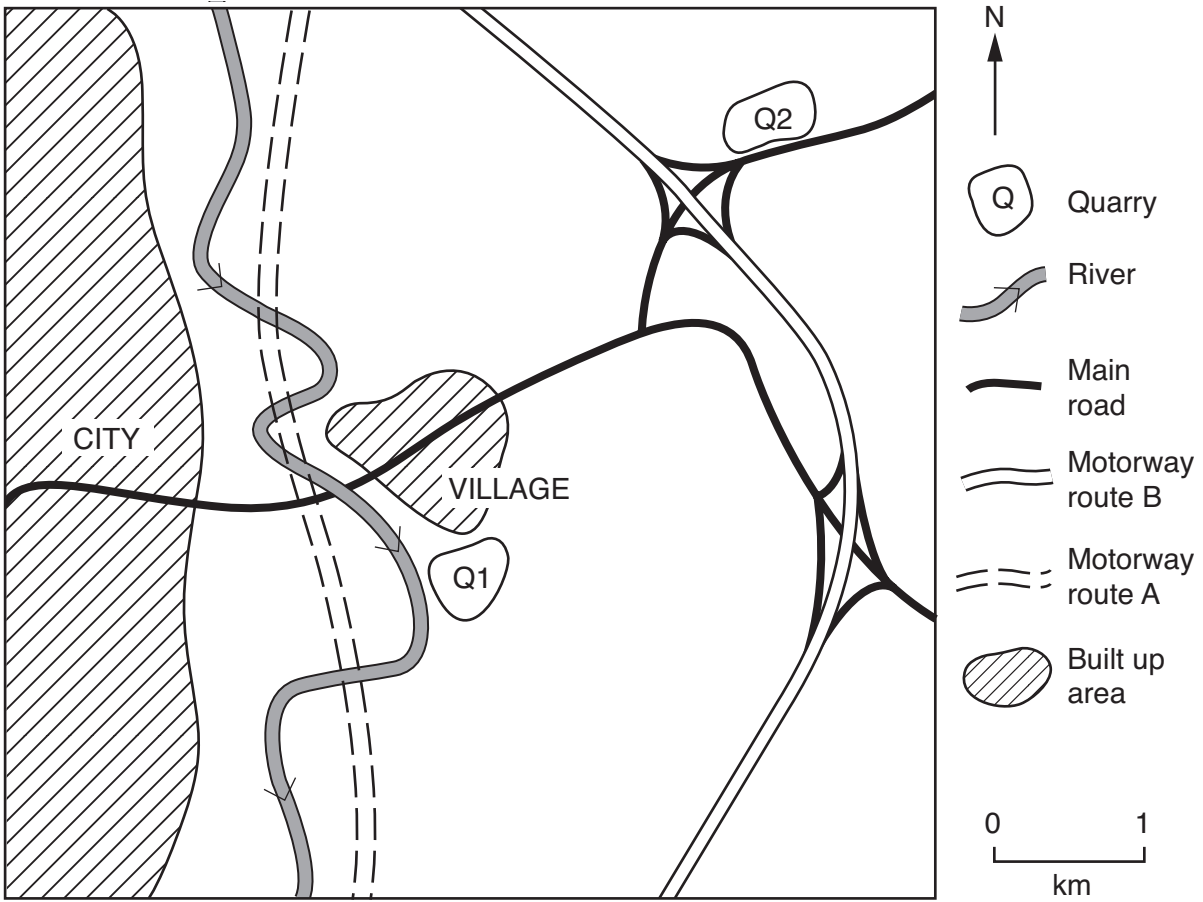


Fig. 9

(a) Two possible routes for the motorway, **A** and **B** are shown on Fig. 9. Route **B** was chosen and Route **A** was rejected.

Suggest **two** reasons for the rejection of Route **A**.

1 .....

.....

2 .....

.....[2]

**(b)** A local supply of rock and gravel to build the motorway was needed. Two possible sites for a quarry or open-cast mine for the rock and gravel, **Q1** and **Q2**, are shown on Fig. 9. Site **Q2** was chosen and site **Q1** was rejected.

**(i)** Suggest why site **Q2** was chosen.

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.....[5]

**(ii)** Suggest a use for the disused quarry or open-cast mine after the motorway has been built.

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.....

.....[1]

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*Copyright Acknowledgements:*

Question 1 © Director of Surveys, Jamaica.

Question 2 Fig. 3 © *HIGCSE Geography Module 4*, Cambridge University Press.

Question 3 Photographs A & B; D. Kelly © UCLES.

Question 5 Table 1 & Fig. 7 © Collins Bartholomew Ltd 1994. Reproduced by Kind Permission of HarperCollins Publishers.

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