



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

CANDIDATE  
NAME

CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**GEOGRAPHY**

**0460/02**

Paper 2

**October/November 2009**

**1 hour 30 minutes**

Candidates answer on the Question Paper.

Additional Materials:     Ruler  
                                  Protractor  
                                  Plain paper

1:25 000 Survey Map Extract is enclosed with this Question Paper.

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name in the spaces provided.  
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.  
**DO NOT WRITE IN ANY BARCODES.**

Answer **all** questions.  
The Insert contains Photograph A for Question 3.  
Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The Survey Map Extract and the Insert are **not** required by the Examiner.

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	
<b>Q1</b>	
<b>Q2</b>	
<b>Q3</b>	
<b>Q4</b>	
<b>Q5</b>	
<b>Q6</b>	
<b>Total</b>	

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



1 The map extract is for the area around Vernon Hill, Mauritius. The scale is 1:25 000.

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

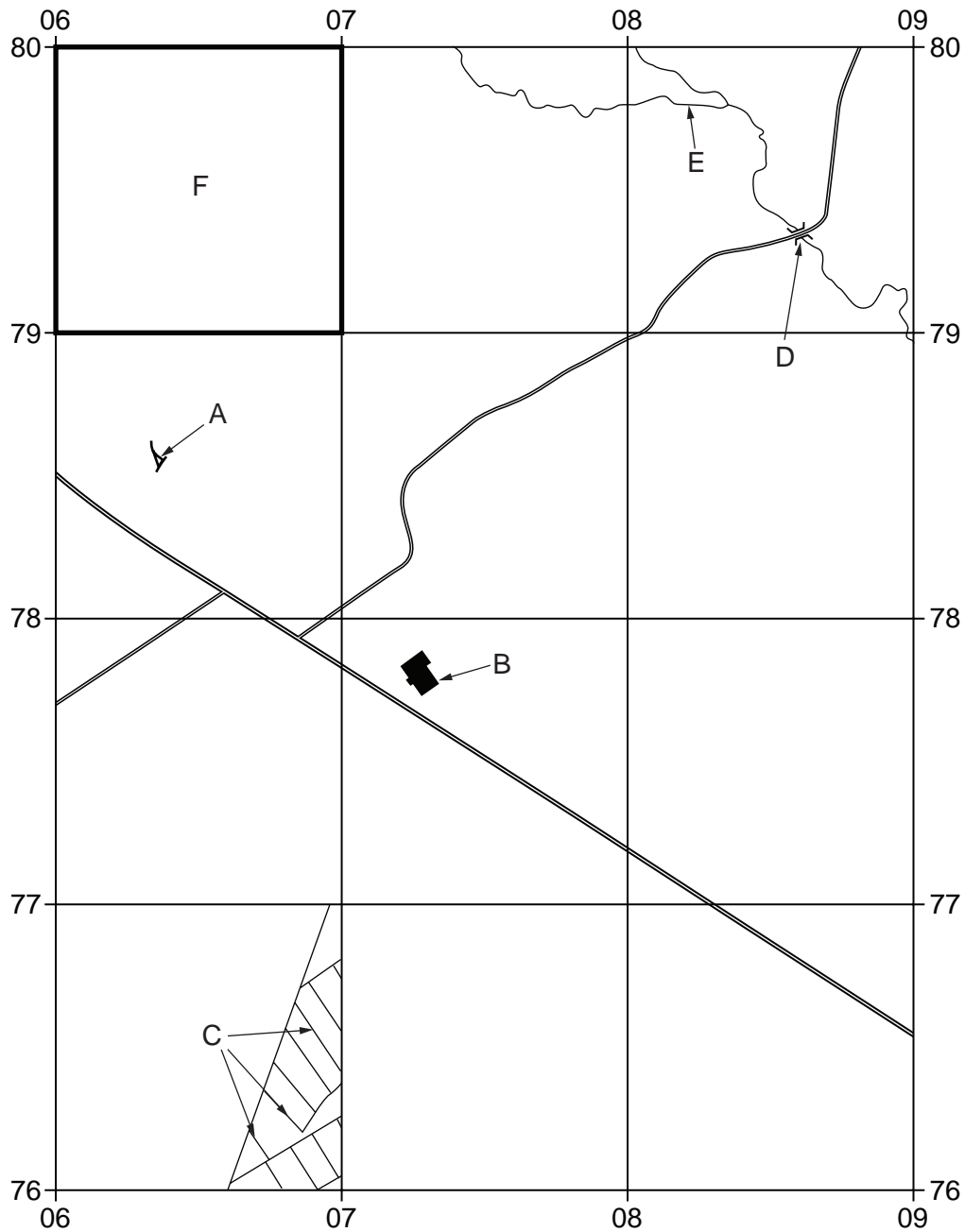


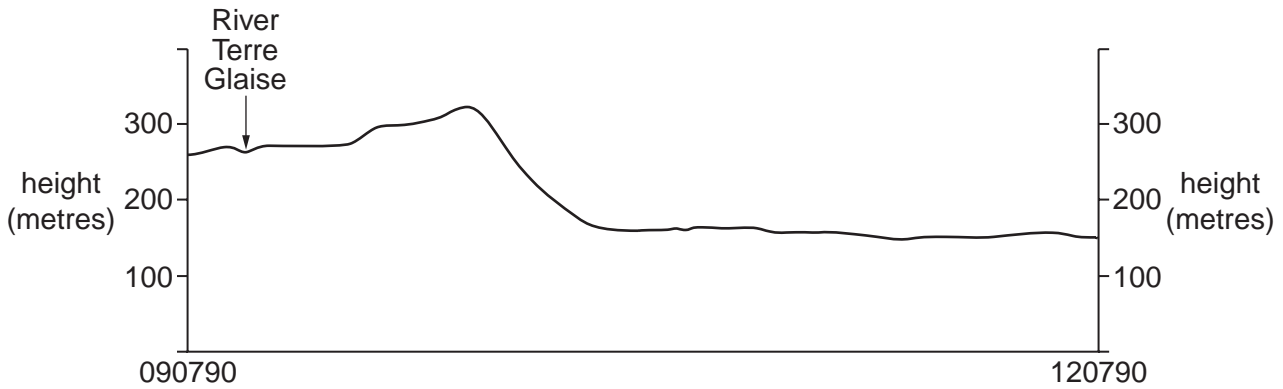
Fig. 1

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

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- (i) feature A (063785);  
.....[1]
- (ii) the named or public building at B (072778);  
.....[1]
- (iii) the features labelled C (0676);  
.....[1]
- (iv) feature D (086793);  
.....[1]
- (v) the name of river E (0879);  
.....[1]
- (vi) two types of land use/vegetation in area F (0679).
  - 1 .....[1]
  - 2 .....[2]

(b) Fig. 2 is a cross section drawn along northing 79 from 090790 to 120790.



**Fig. 2**

On Fig. 2, using labelled arrows, mark the positions of:

- (i) the Feeder Tibere River;
- (ii) the B83 road;
- (iii) the east facing slope of Vernon Hill.

[3]

(c) Look at the straight section of the B7 road from the junction with the main A road at New Grove (093763) to the start of the bend at 111775.

- (i) Measure the distance of this straight section of road. Give your answer in metres.

..... metres [1]

- (ii) Measure the bearing from grid north of this straight section of road from the junction with the main A road at New Grove.

..... degrees [1]

(d) State the six figure grid reference for the village hall at Cluny in the north of the map extract.

.....[1]



2 Table 1 shows information about the population and services of some settlements near Cambridge. Use Table 1 to answer the questions which follow.

**Table 1**

Name of settlement	Population	Number of small shops	Number of larger shops	Number of primary schools	Number of doctor's surgeries
Coates	1 000	1	0	1	0
Friday Bridge	1 370	1	0	1	0
Elm	1 650	2	0	1	0
Wimblington	1 780	2	3	1	0
Leverington	1 790	1	0	1	0
Manea	1 810	2	0	1	1
Doddington	2 000	3	1	1	1
Chatteris	9 480	24	12	2	1
Whittlesey	12 690	44	14	3	2
March	19 150	67	14	5	3
Wisbech	20 500	13	117	7	3

(a) How many primary schools are there in Chatteris?

.....[1]

(b) Which **two** services are found in settlements with a population of less than 1 500? Tick only **two** boxes.

Service	small shops	larger shops	primary schools	doctors' surgeries
Tick				

[1]

(c) Using the information in Table 1 only, suggest the minimum population needed for a settlement to have a doctor's surgery.

.....[1]

(d) Which settlement is highest in the hierarchy? Give **one** piece of evidence to support your answer.

Name of settlement .....

Evidence .....

.....

.....[2]

- (e) Fig. 3 shows the population and number of small shops in some of the settlements.

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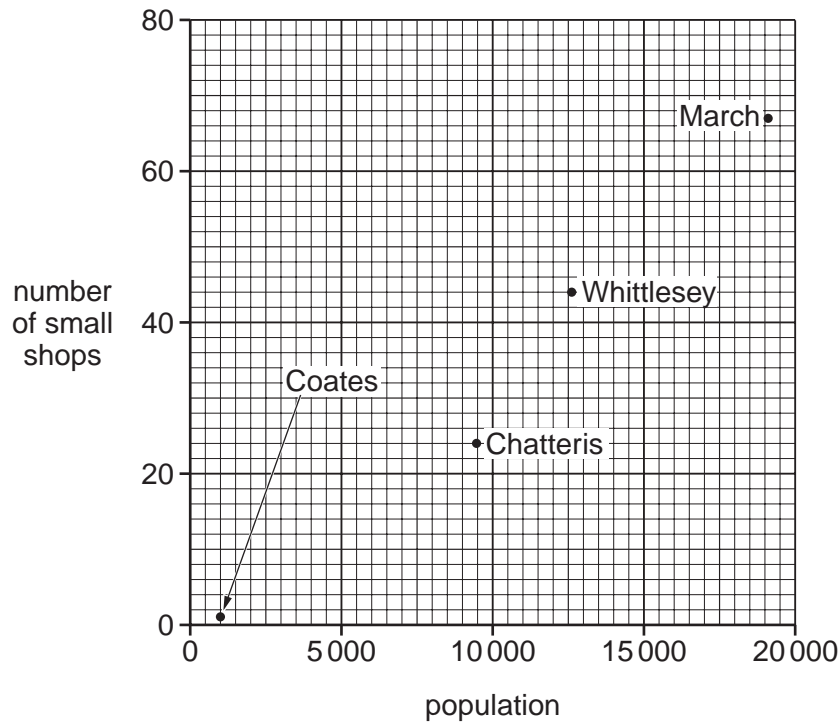


Fig. 3

- (i) What name is given to this type of graph? Tick **one** box.

Type of graph	line graph	scatter graph	bar graph
Tick			

[1]

- (ii) Which **one** of the following statements about Fig. 3 is correct? Tick the correct statement.

Statement	Tick
There is a negative (inverse) relationship between population and number of small shops.	
There is a positive relationship between population and number of small shops.	
There is no clear relationship between population and number of small shops.	

[1]

- (iii) Using information from Table 1, plot the position of Doddington on Fig. 3. [1]

[Total: 8 marks]







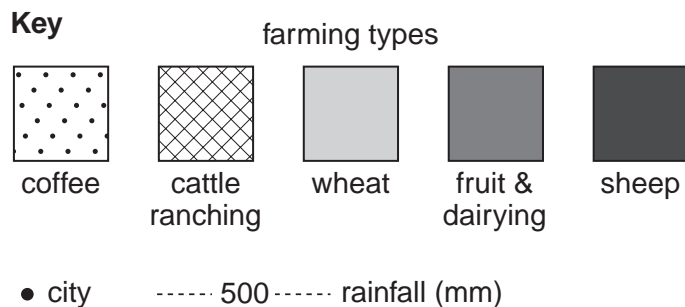
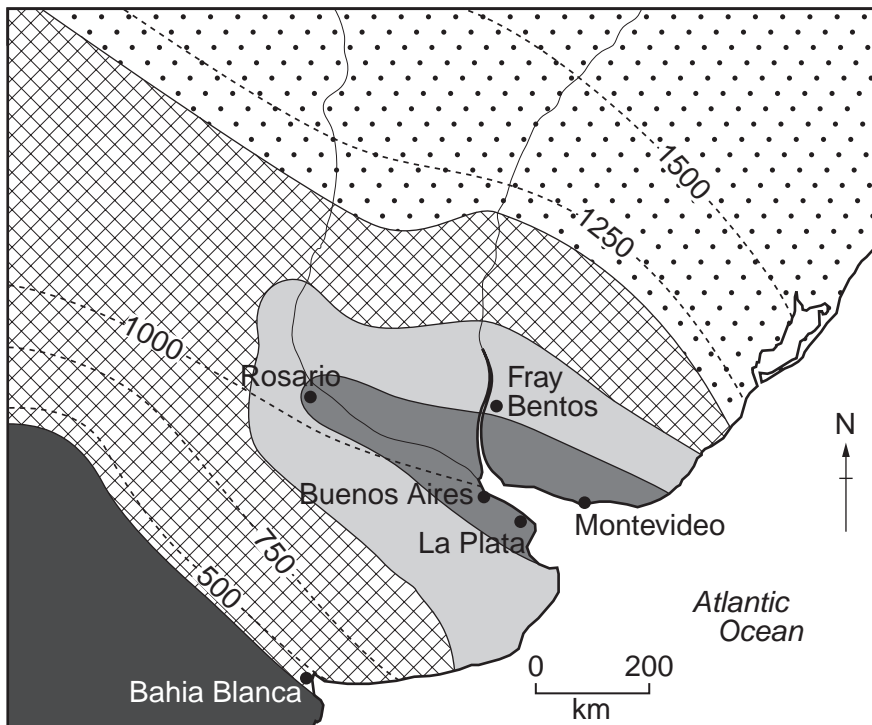
- 4 (a) Table 2 shows some of the inputs of farming. Complete Table 2 to show the **natural** inputs and the **human** inputs. Use **one** tick for each row.

**Table 2**

	natural input	human input
<b>Example:</b> relief	✓	
capital (money)		
machinery		
rainfall		
soil		
transport		

[2]

- (b) Fig. 4 shows the rainfall and types of farming in part of Argentina and Uruguay, South America. Study Fig. 4 and answer the questions on the opposite page.



**Fig. 4**

- (i) Which **one** of the farming types occurs:  
in the wettest areas; .....  
in the driest areas; .....  
nearest to urban markets? .....[3]

- (ii) The cattle ranching shown on Fig. 4 is an example of extensive commercial farming. Describe the following features of this type of farming.

Farm size .....  
.....  
Capital input per hectare .....  
.....  
Output per farm worker .....  
.....[3]

[Total: 8 marks]

5 Fig. 5 shows the features of a coastal area.

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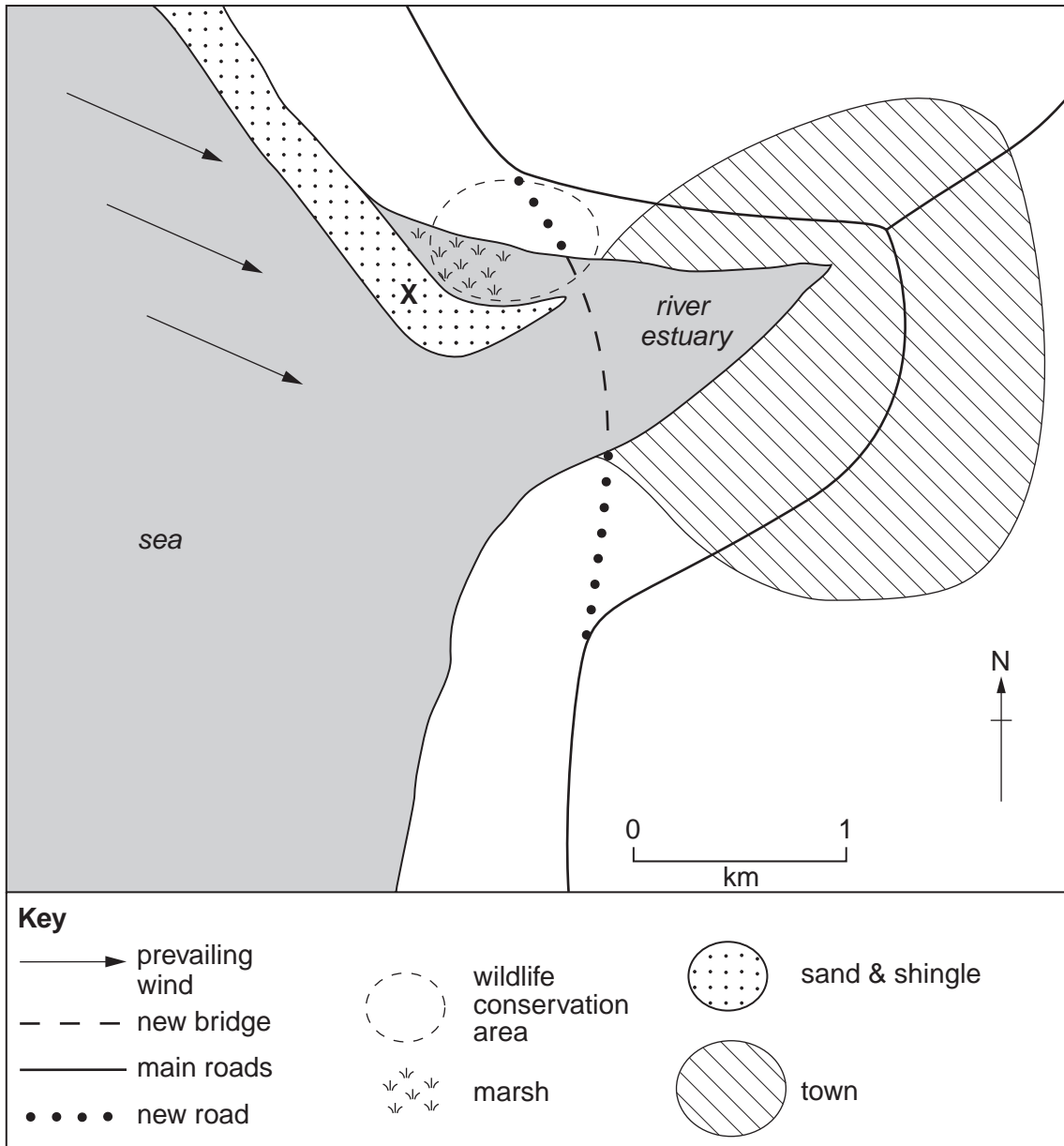


Fig. 5

- (a) It is proposed to build a bridge and new road to cross the river estuary shown on Fig. 5. Describe **two** advantages and **two** disadvantages of the planned route.

Advantages

- 1 .....
- .....
- 2 .....
- .....

Disadvantages

- 1 .....
- .....
- 2 .....
- .....[4]

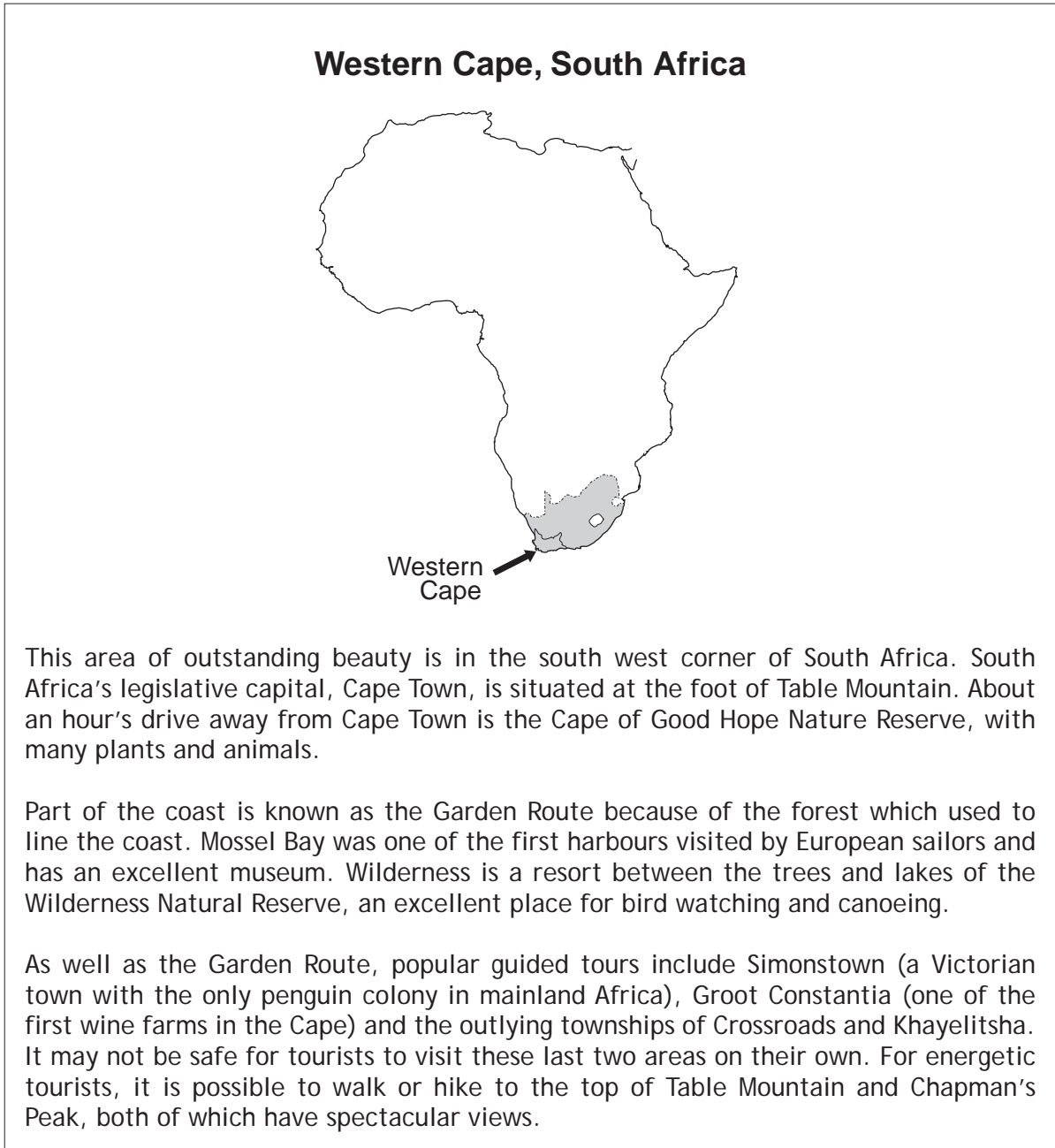
- (b) (i) Name feature **X** shown on Fig. 5. ....[1]

- (ii) Explain how feature **X** may have formed. You may add labels to Fig. 5.
- .....
- .....
- .....
- .....
- .....
- .....
- .....
- .....
- .....
- .....[3]

[Total: 8 marks]

- 6 Fig. 6 gives information about the Western Cape, an important tourist destination in South Africa.

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**Fig. 6**

- (a) Using information from Fig. 6 only, for each of the following tourist attractions, name **one** location in the Western Cape where it is found:
- (i) guided tours; .....[1]
- (ii) history or culture. ....[1]

(b) (i) Which places named in Fig. 6 may not be safe for tourists to visit on their own?  
.....[1]

(ii) Suggest **one** reason why this might be so.  
.....  
.....[1]

(c) Table 3 gives information about the climate of the Western Cape.

**Table 3**

month	J	F	M	A	M	J	J	A	S	O	N	D
rainfall (mm)	16	15	22	50	92	105	91	83	54	40	24	19
average temperature (°C)	22	22	20	17	15	12	12	13	14	16	18	20
sunshine (hours/day)	11	11	9	7	6	6	6	6	7	9	10	11
humidity (%)	73	74	77	81	78	80	84	82	80	77	74	72

Using the information from Fig. 6 and Table 3 only, give **four** advantages of the Western Cape for outdoor tourism.

- 1 .....
- 2 .....
- 3 .....
- 4 .....[4]

[Total: 8 marks]

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Question 3 Photograph A          D. A. Kelly © UCLES.

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