



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

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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	
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total	

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.

- (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.

For
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Use

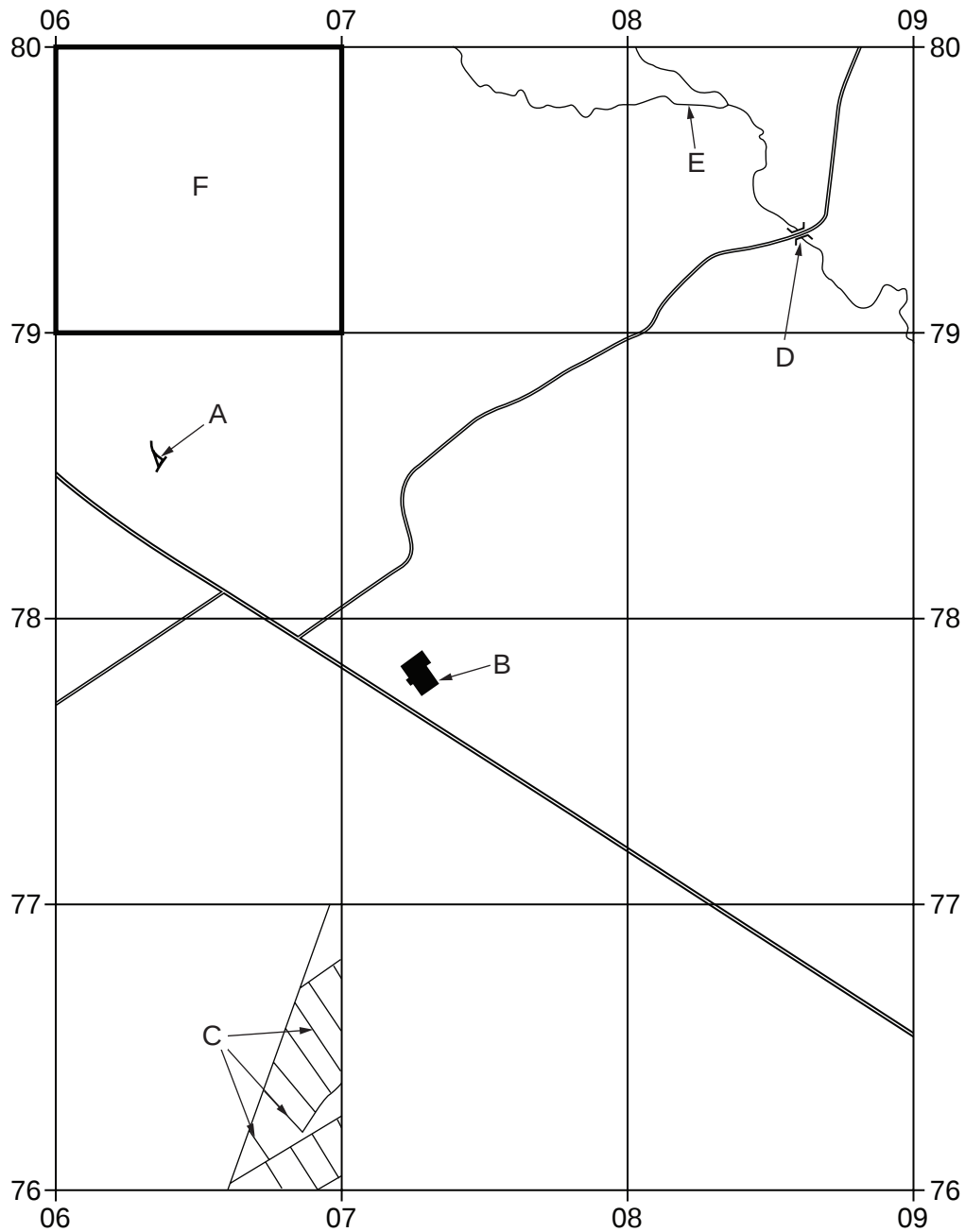


Fig. 1

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

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Use

(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

2[2]

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

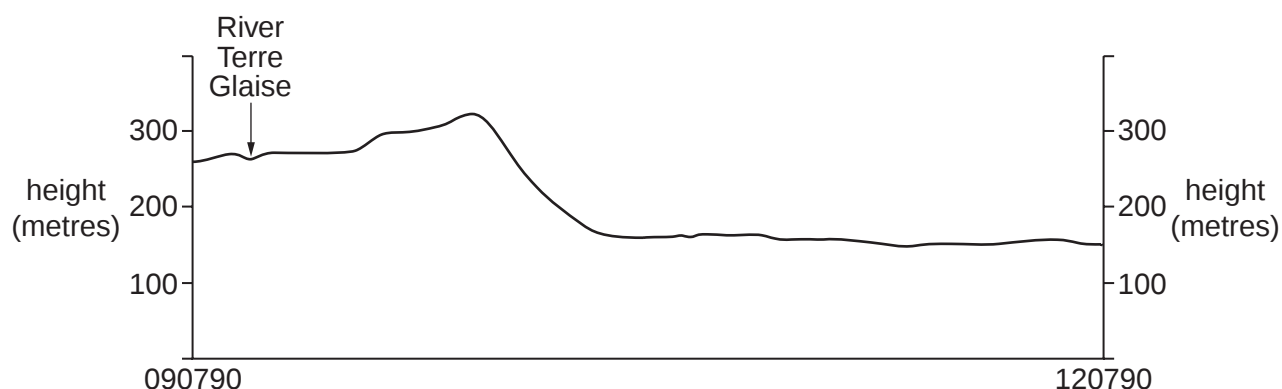


Fig. 2

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]

- (e) Look at the River La Chaux which flows past the settlement of Rose Belle to the eastern edge of the map extract. Describe the physical features of the river.

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.....

.....

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.....

.....

.....

.....

.....

.....

.....[4]

- (f) In the area shown by the map extract, there are large areas of scrub/scattered trees and large areas of sugar plantation. Describe the **relief** of these areas.

Relief of areas with scrub/scattered trees

.....

.....

.....

.....

.....

.....

Relief of areas with sugar plantation

.....

.....

.....

.....

.....

.....[3]

[Total: 20 marks]

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

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Use

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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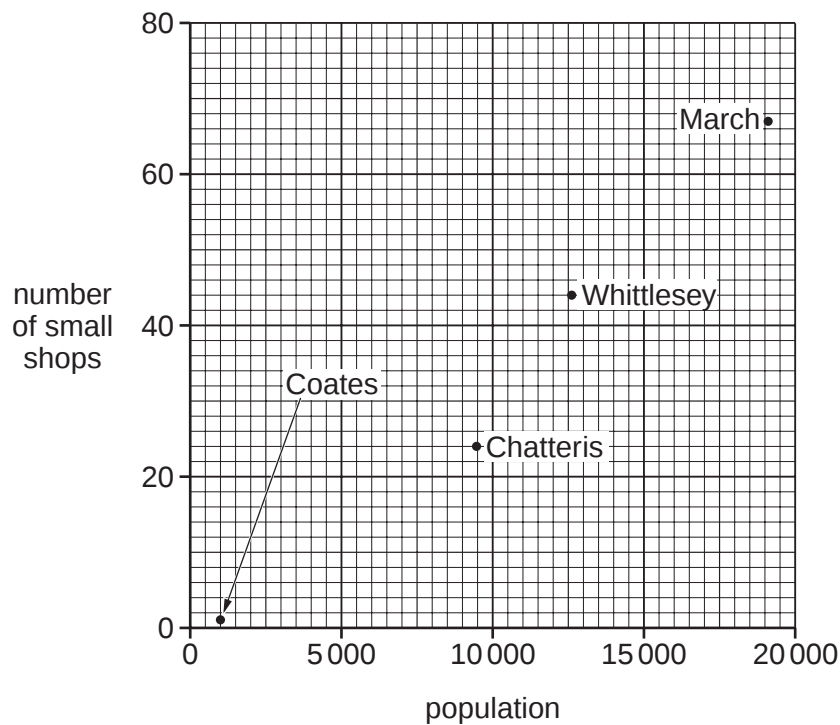


Fig. 3

- (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]

3 Study Photograph A (Insert).

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- (a)** Describe the physical features of the area shown in the photograph.

.....

.....

.....

.....

.....

.....

.....

.....[4]

- (b)** It is planned to build a dam in the area in order to provide a water supply for an urban area. Using evidence from the photograph, suggest **two** advantages and **two** disadvantages of the area for this purpose.

Advantages

1

.....

2

.....

Disadvantages

1

.....

2

.....[4]

[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.

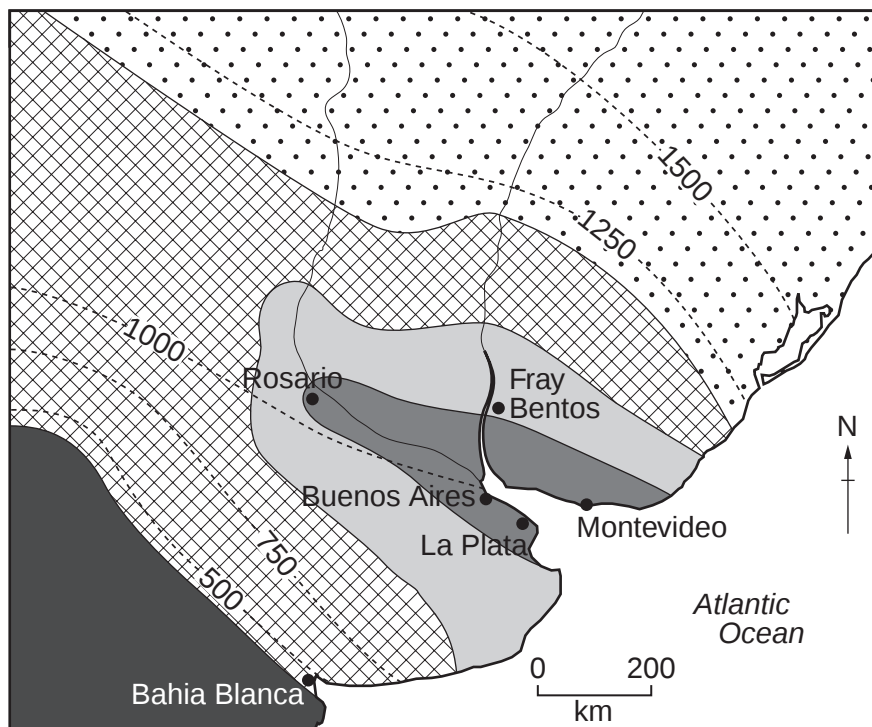
For
Examiner's
Use

Table 2

	natural input	human input
Example: relief	✓	
capital (money)		
machinery		
rainfall		
soil		
transport		

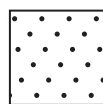
[2]

- (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.

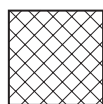


Key

farming types



coffee



cattle
ranching



wheat



fruit &
dairying



sheep

• city

----- 500 ----- rainfall (mm)

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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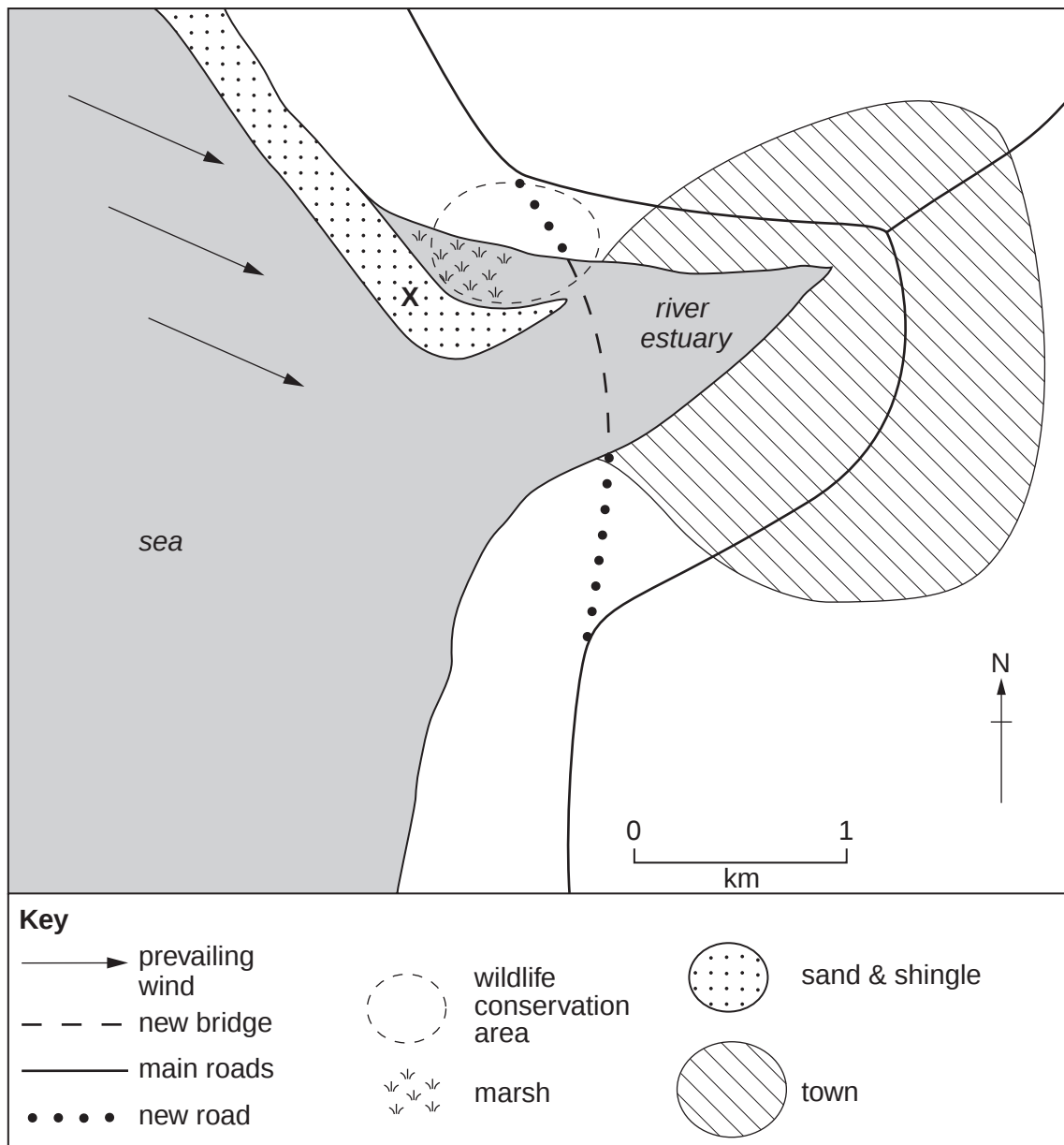


Fig. 5

- (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.

For
Examiner's
Use

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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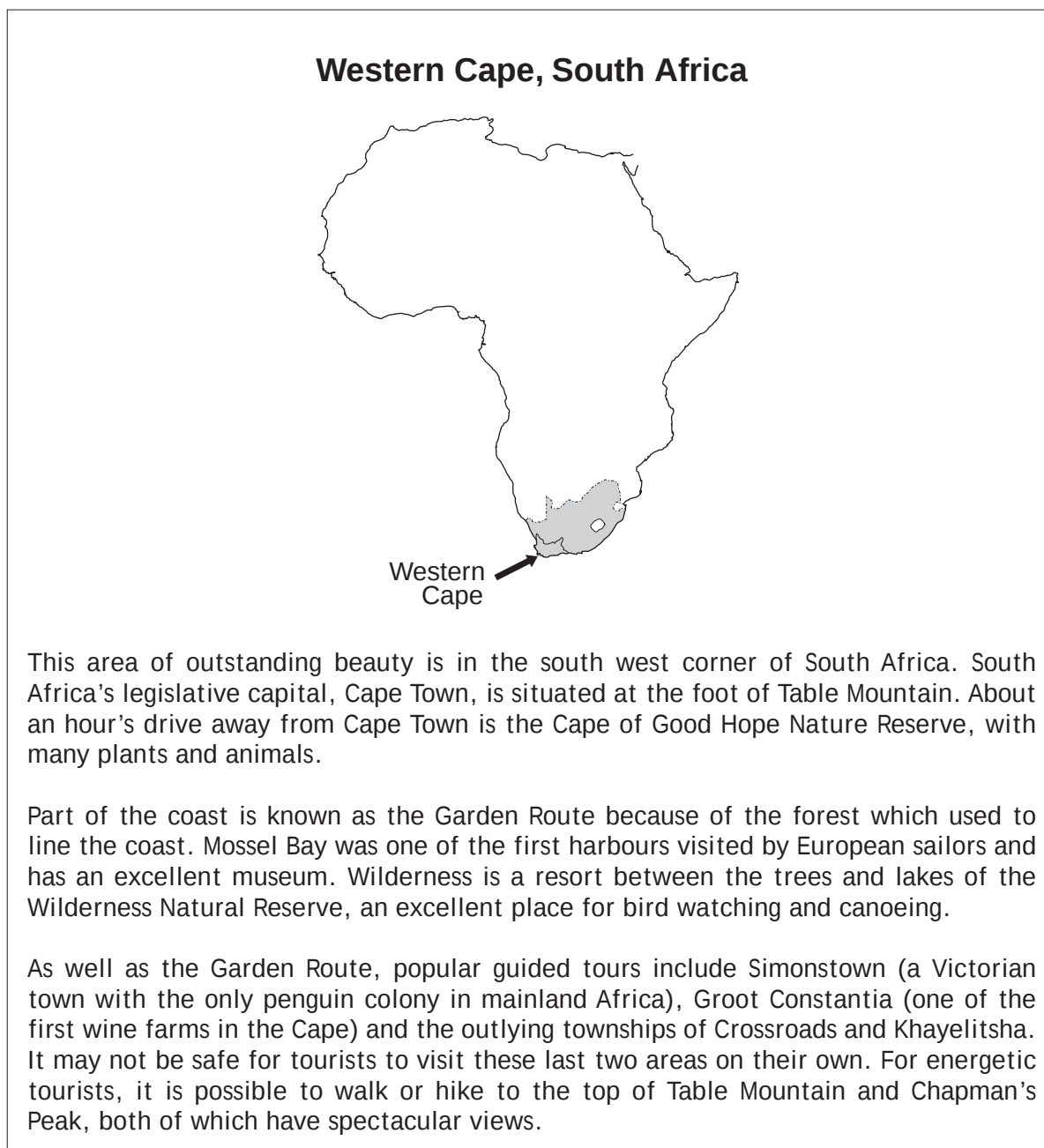


Fig. 6

- (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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