



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
International General Certificate of Secondary Education

CANDIDATE  
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**GEOGRAPHY**

**0460/02**

Paper 2

**May/June 2007**

**1 hour 30 minutes**

Candidates answer on the Question Paper.

Additional Materials: Ruler

1:25 000 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.

DO **NOT** WRITE ON ANY BARCODES.

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.

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>1</b>	
<b>2</b>	
<b>3</b>	
<b>4</b>	
<b>5</b>	
<b>6</b>	
<b>Total</b>	

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



1 Study the map extract, which is for part of the island of Mauritius. The scale is 1:25 000.

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

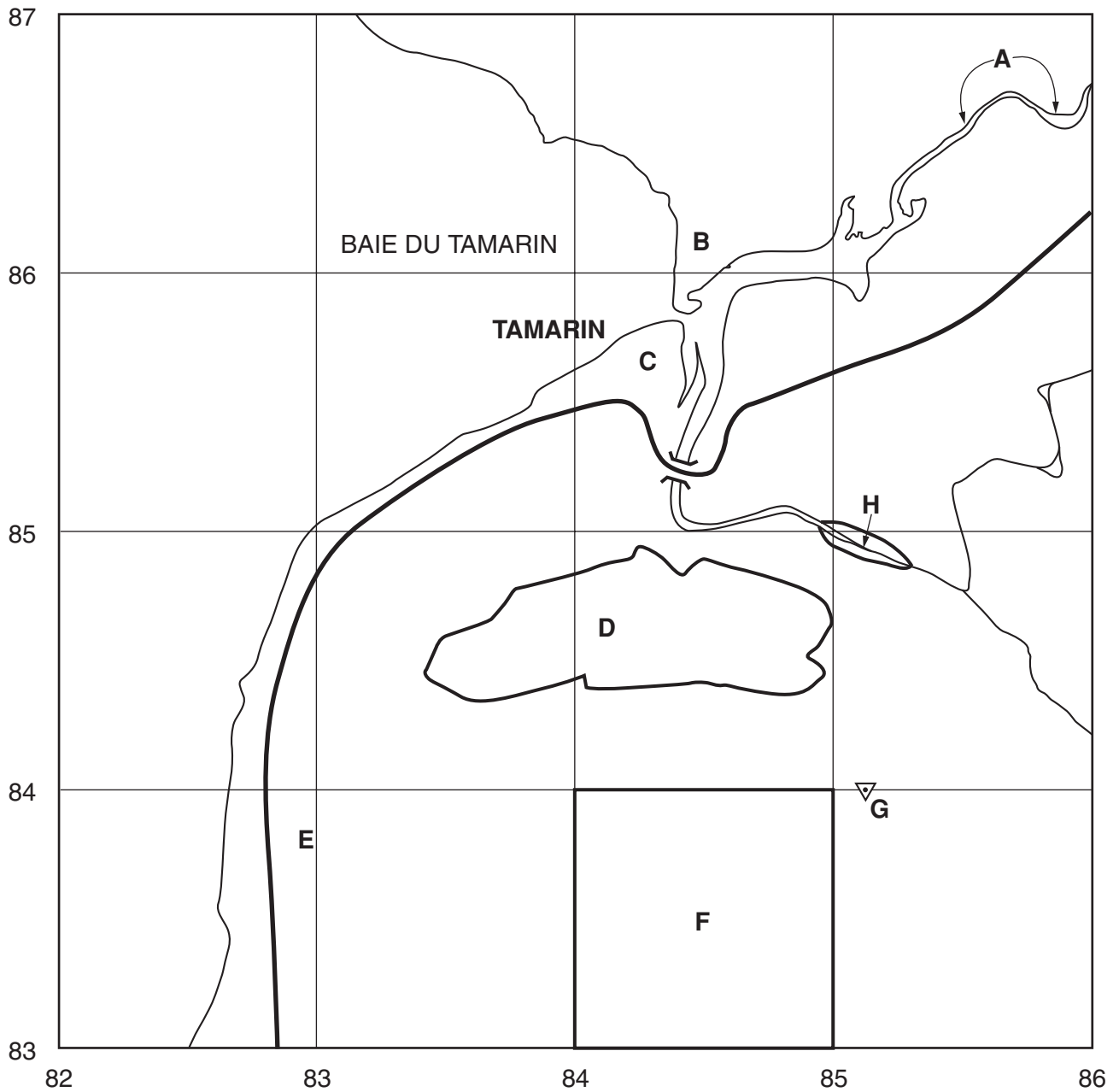


Fig. 1

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

(i) river A (8586),  
.....[1]

(ii) settlement B (8486),  
.....[1]

(iii) **two** services provided at Tamarin (C) (8385, 8485),  
.....[1]

(iv) the crop in area D (8384, 8484),  
.....[1]

(v) the type of road at E (8283),  
.....[1]

(vi) the vegetation at F (8483),  
.....[1]

(vii) feature G (851840),  
.....[1]

(viii) the vegetation at H (8584).  
.....[1]

(b) Using the map key, look at the area of coral along the coast.

(i) Name **one** area where coral is absent.  
.....[1]

(ii) Suggest **one** reason for this.  
.....  
.....  
.....[1]

(c) Fig. 2 shows the road between Yemen (8784) and its junction with the main coastal road at 844815. On Fig. 2, use the letter indicated to show the position of:

- (i) the highest point on the road (H),
- (ii) the road crossing a flood plain (F),
- (iii) the road passing cultivation and other plantation (C).

[3]

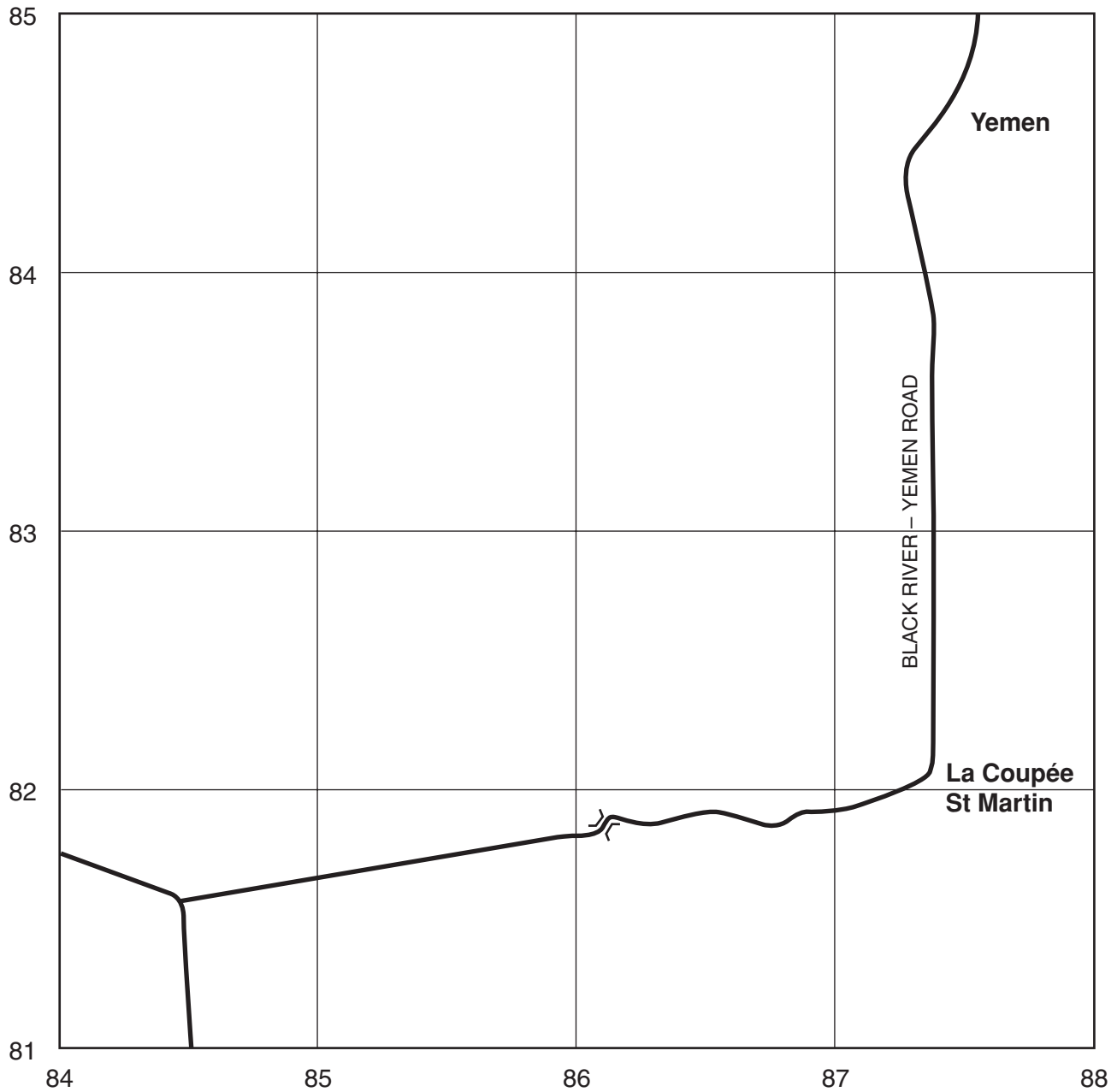


Fig. 2

(d) There is a tourist industry along the coast of the area shown on the map extract. Suggest **two** advantages of the coastal area for tourism.

.....  
.....  
.....  
.....[2]

(e) A tourist stands at the Martello Tower (824827) and looks at the summit (highest point) of the Tourelle du Tamarin (840834).

(i) In which compass direction is the tourist looking?

.....[1]

(ii) State the height above sea level of the summit.

.....[1]

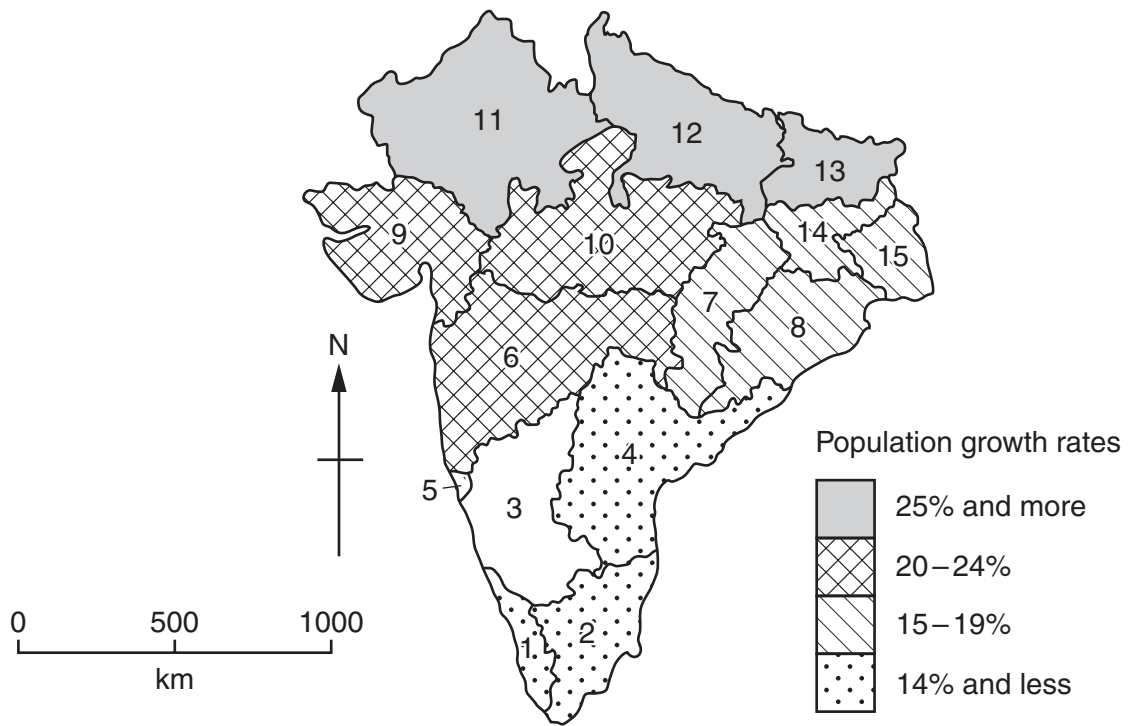
(iii) Measure the distance in metres between the tower and the summit.

.....metres [1]

(iv) Describe the changes in gradient of the land between the tower and the summit.

.....  
.....  
.....  
.....  
.....[2]

2 Fig. 3 shows the population growth rates between 1991 and 2001 for fifteen states in India.



**Key to states**

1 Kerala	6 Maharashtra	11 Rajasthan
2 Tamil Nadu	7 Chhattisgarh	12 Uttar Pradesh
3 Karnataka	8 Orissa	13 Bihar
4 Andhra Pradesh	9 Gujarat	14 Jharkhand
5 Goa	10 Madhya Pradesh	15 West Bengal

**Fig. 3**

(a) (i) Name **one** of the states with the greatest population growth rate.

..... [1]

(ii) The state of Karnataka has a population growth rate of 17%. Using the key provided, add this information to Fig. 3. [1]

(iii) Describe the general distribution of population growth rates shown on Fig. 3.

.....  
 .....  
 ..... [2]

(b) Fig. 4 shows the population growth rate between 1991 and 2001 and the population density for the same fifteen states.

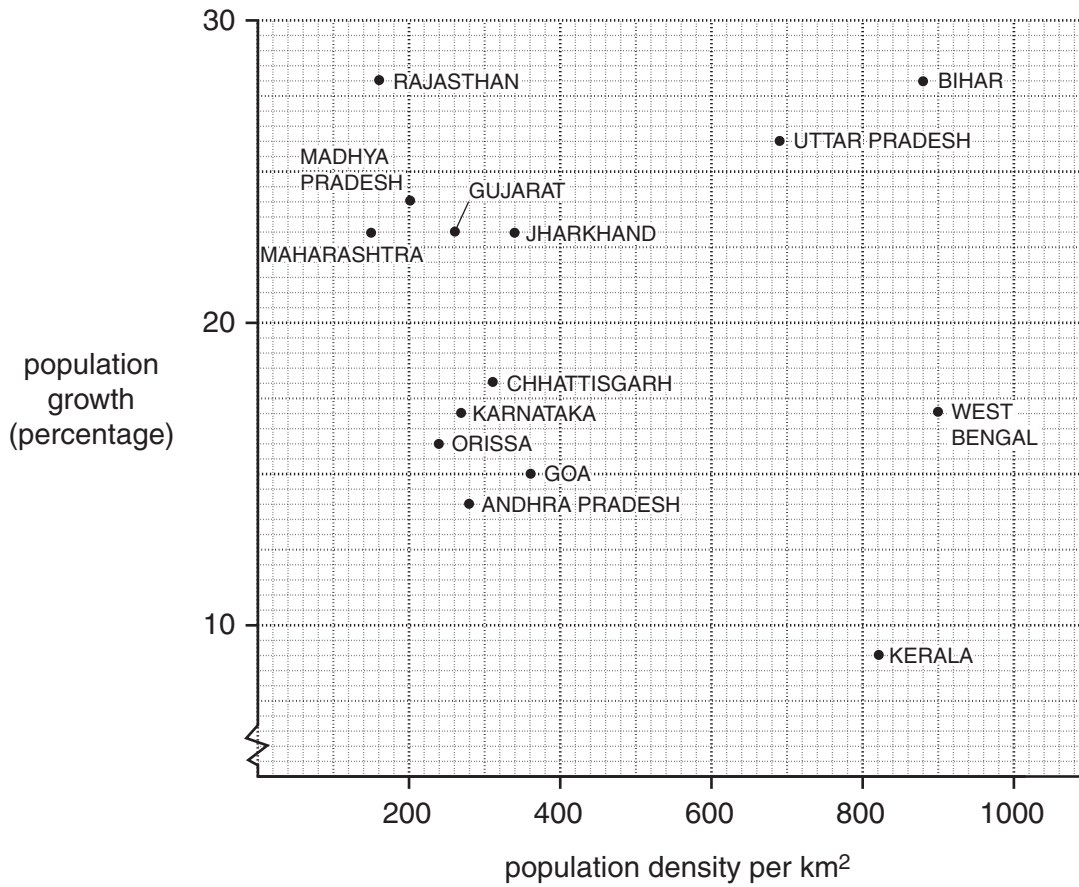


Fig. 4

- (i) Tamil Nadu has a population density of 480 people per square kilometre and a population growth rate of 11%. Plot this information on Fig. 4. [1]
- (ii) Which **one** of the following statements is correct? Tick the correct statement.

Statement	Tick
There is a negative (inverse) relationship between population density and population growth rate.	
There is a positive relationship between population density and population growth rate.	
There is no clear relationship between population density and population growth rate.	

[1]

(c) Use the information on Figs 3 and 4 to complete the following paragraph.

“Of the fifteen states, the smallest in area is ..... . The population density of the state which is furthest east is ..... per square kilometre.” [2]





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4 In September 2004, the island of Grenada was affected by Tropical Storm Ivan. Fig. 5 shows features of the island and some of the effects of the storm.

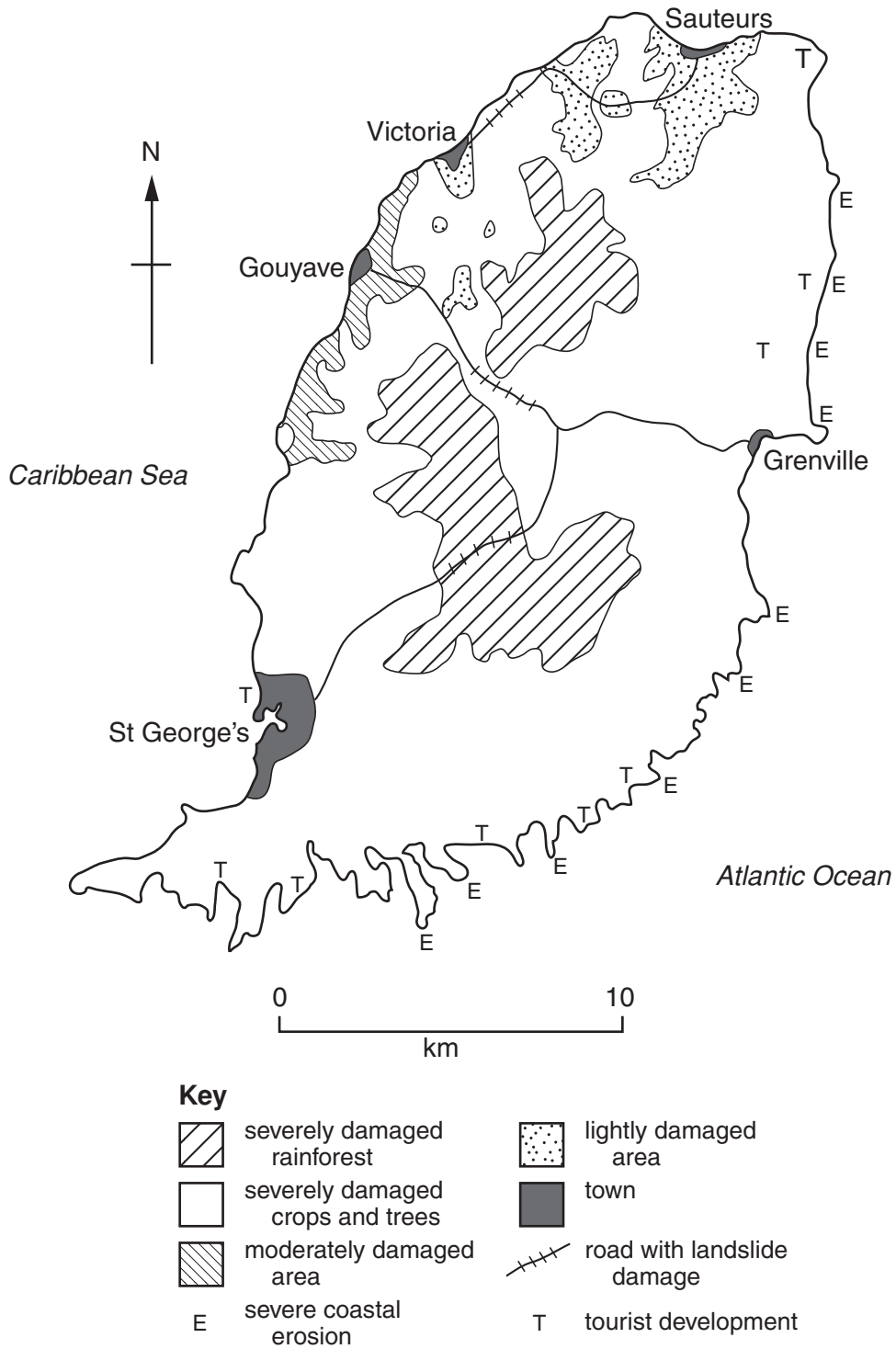


Fig. 5

(a) (i) Describe the distribution of the severely damaged rainforest.

.....  
.....[1]

(ii) Describe the distribution of the lightly damaged areas.

.....  
.....[1]

(iii) Which town is in the moderately damaged area?

.....[1]

(b) The storm had a serious effect on the human activities of the island. What evidence is shown for this on Fig. 5?

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

(c) Using evidence from Fig. 5, suggest the main wind direction during the storm. Give **one** reason for your answer.

Wind direction .....

Reason .....

.....  
.....[2]

- 5 Fig. 6 provides information about the three regions of mainland Ecuador, South America: La Costa (the coast), La Sierra (the mountains) and El Oriente (the east).

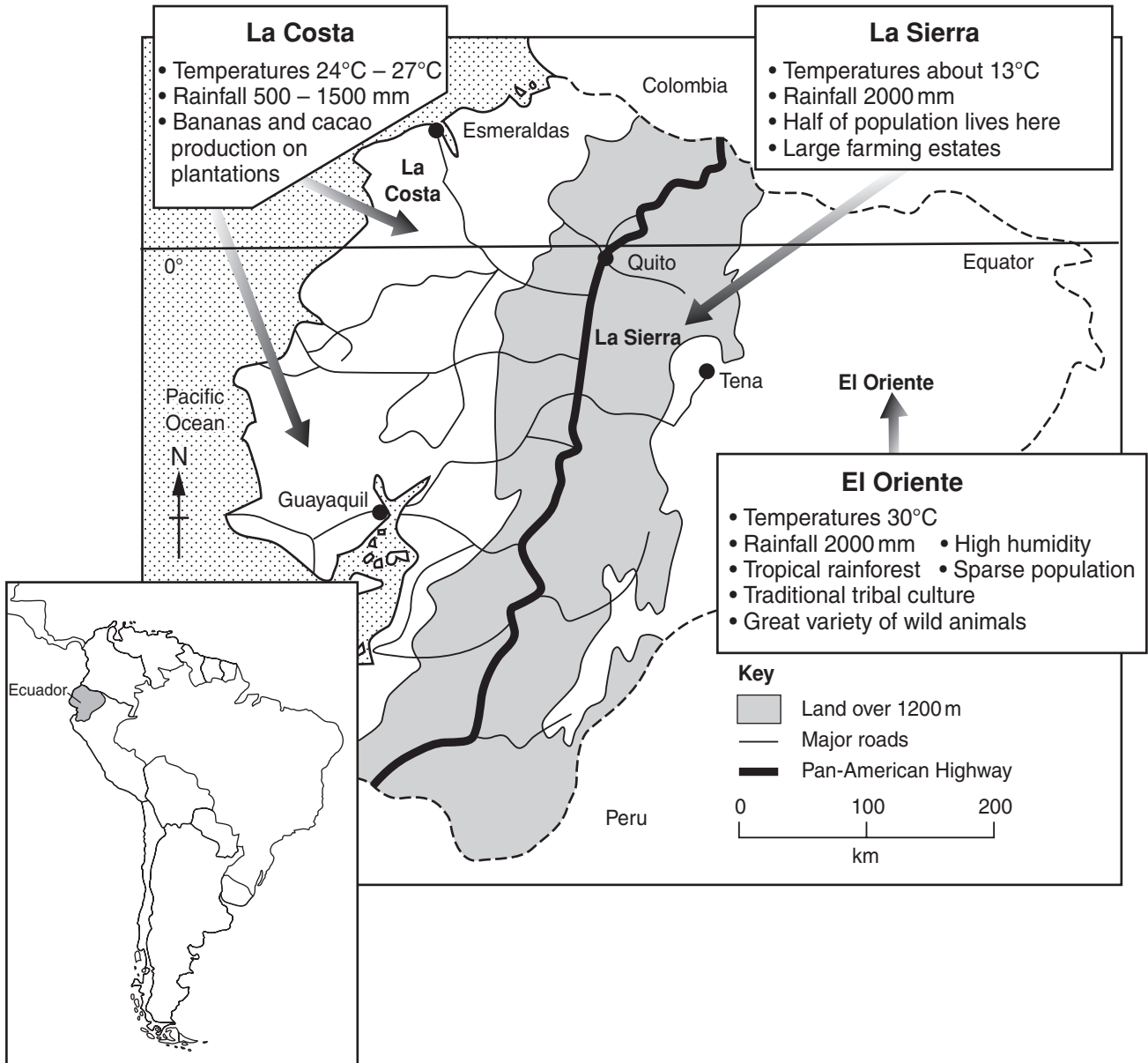


Fig. 6

- (a) (i) Describe the differences in temperature between the three regions shown on Fig. 6.

.....  
 ..... [1]

- (ii) Give **one** reason for these differences.

.....  
 ..... [1]

(b) Describe the road transport network of La Costa and La Sierra regions.

.....  
.....  
.....  
.....[2]

(c) In 1967 oil was discovered in El Oriente.

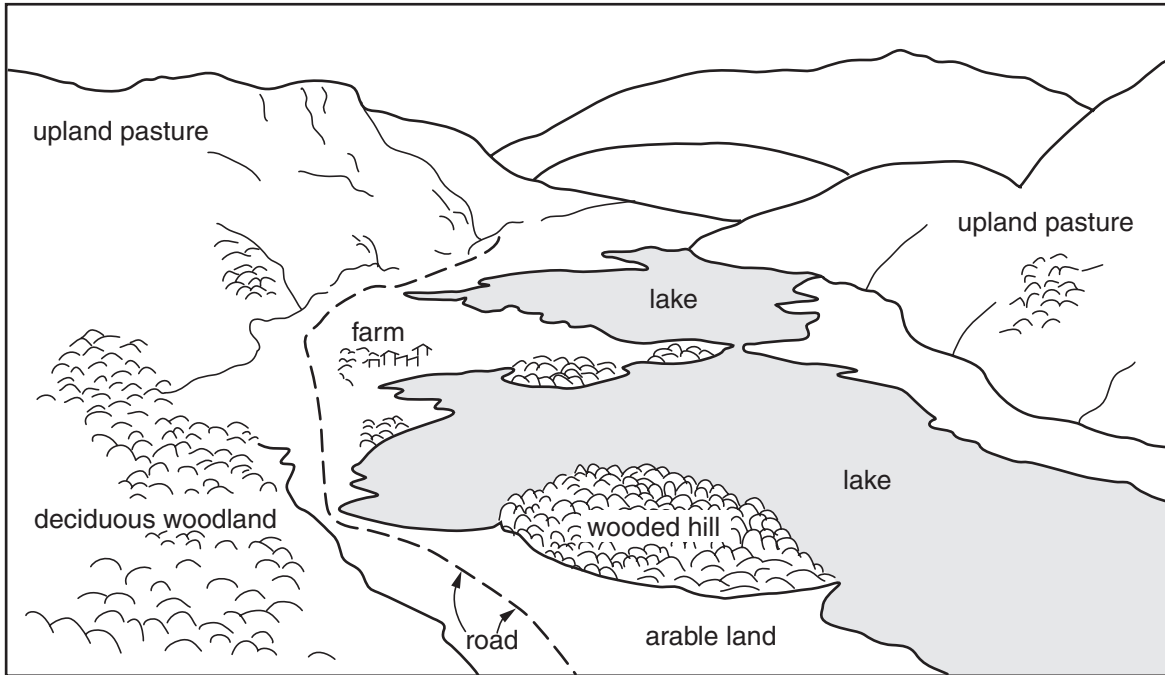
(i) Using evidence from Fig. 6 only, explain the difficulties in exploiting oil in El Oriente.

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.....[3]

(ii) Using evidence from Fig. 6 only, suggest **one** problem which could be created by economic development of El Oriente.

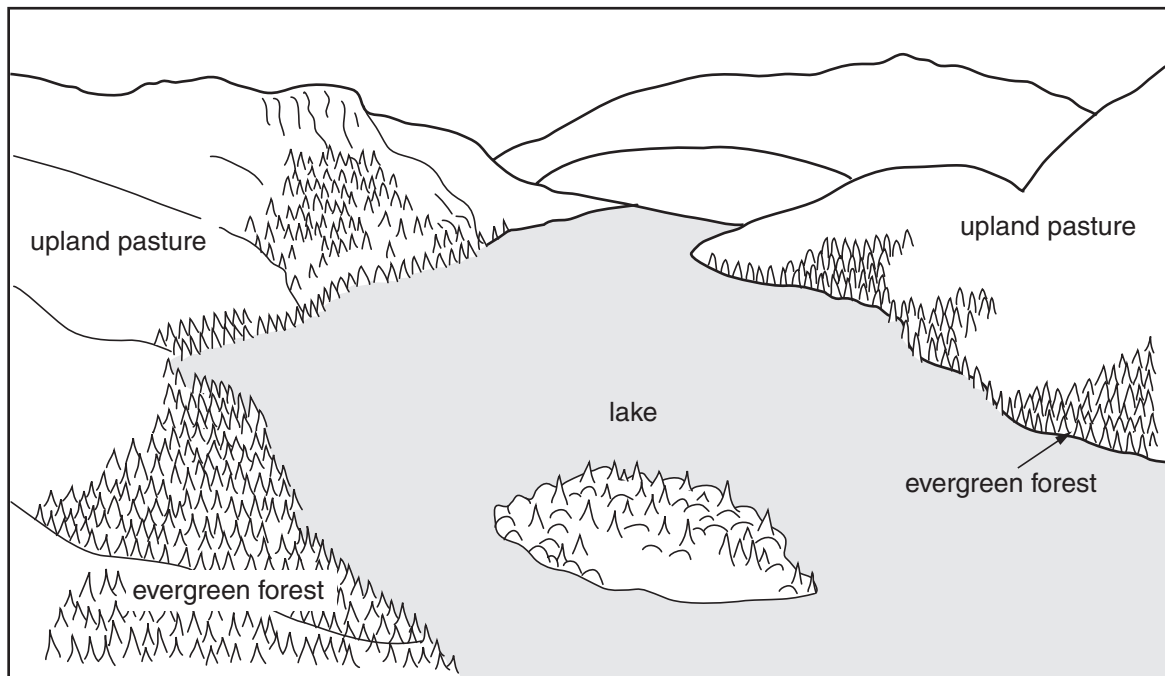
.....  
.....  
.....[1]

- 6 Figs 7 and 8 are field sketches of a lake used to supply water to a European city. A dam was built to enlarge the original lake. Fig. 7 shows the original lake and Fig. 8 shows the new lake.



The original lake

Fig. 7



The new lake

Fig. 8

(a) Look at the wooded hill shown on Fig. 7. What happened to the hill when the lake was enlarged?

.....  
.....[1]

(b) Describe the advantages of the area shown in Figs 7 and 8 for water supply.

.....  
.....  
.....  
.....[2]

(c) Using evidence from Figs 7 and 8 only, suggest the likely effects of changes in the area on local farmers and tourists.

Local farmers .....

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Tourists .....

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.....[5]

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*Copyright Acknowledgements:*

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Photograph B D. Kelly © UCLES.

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Question 6 Fig. 7 & Fig. 8; D. Kelly © UCLES.

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