

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

GEOGRAPHY

0460/02

Paper 2

October/November 2004

1 hour 30 minutes

Additional Materials: Answer Booklet/Paper,
Ruler (cm:mm)
Protractor
Set square
1:25 000 Survey Map Extract is enclosed
with this question paper.

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet.
Write your Centre number, candidate number and name on all the work you hand in.
Write in dark blue or black pen on both sides of the paper.
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.

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.

Insert 1 contains Fig. 1 for Question 1, Fig. 2 for Question 2, Fig. 5 for Question 6 and Fig. 6 for Question 7.

Insert 2 contains Photograph A for Question 3.

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

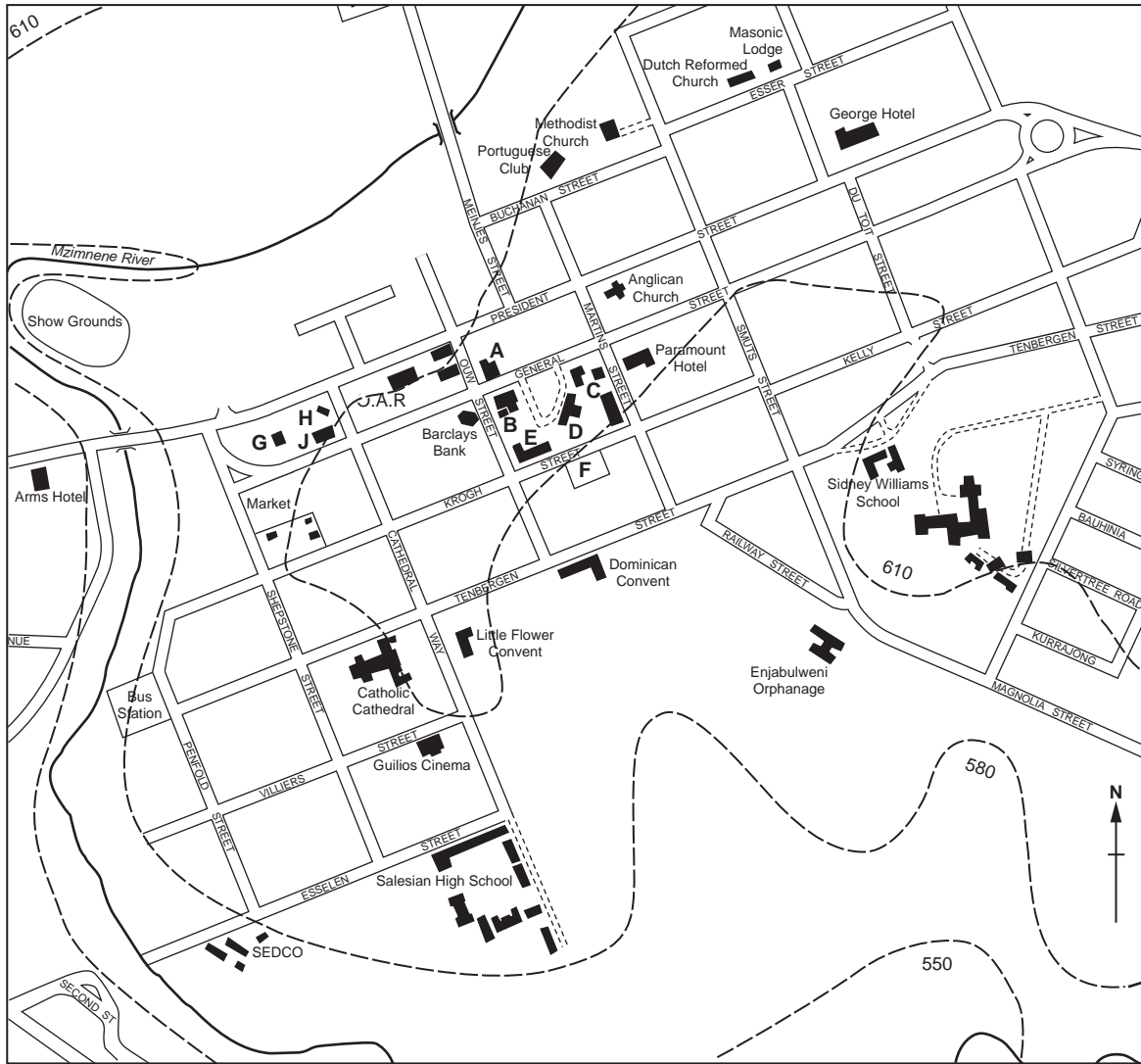
This document consists of **6** printed pages, **2** blank page and **2** inserts.



- 1** Study the map extract of part of the island of Trinidad, in the Caribbean, and answer the following. The scale of the map is 1:25 000.
- (a)**
- (i)** Name the type of public building found at grid reference 834747. [1]
 - (ii)** Give the six figure grid reference of the school in Kelly Village in the south-west of the map extract. [1]
 - (iii)** Measure the distance along the Golden Grove Road from the road junction in Arouca (815757) to its junction with the Churchill Roosevelt Highway at 810738. Give your answer in metres. [1]
 - (iv)** State the bearing from grid north of the minor trigonometrical station at the junction of the Golden Grove Road and the Churchill Roosevelt Highway **from** the main trigonometrical station at 786746. [1]
- (b)** Describe the services and amenities provided in the settlement of Tacarigua. [3]
- (c)** Study the cross-section (Fig. 1 Insert 1) which is drawn along easting 83 from 830760 to 830710. On the section mark the position of and label with the letter in brackets:
- the disused railway line (R),
 - the Churchill Roosevelt Highway (C),
 - the River Oropura (O). [3]
- (d)** Using evidence from the map only, state the advantages of the site of Piarco International Airport. [4]
- (e)** Study the town of Arouca and
- (i)** describe the street pattern in the town, [1]
 - (ii)** describe the site of the town, [2]
 - (iii)** give reasons for the growth of the town. [3]

- 2** Study the diagram (Fig. 2 Insert 1). It shows how far members of a family have to travel from their home to reach different services in the town.
- (a)** In which of the sectors shown on Fig. 2 would you place a youth club? [1]
- (b) (i)** How far would members of the family have to travel to visit the sports centre? [1]
- (ii)** How far would a family member have to travel to the bingo hall? [1]
- (c)** Place the following services on the diagram (Fig. 2) in the correct sector:
- (i)** a secondary school 4 kilometres from home, [1]
- (ii)** a bar 2 kilometres from home. [1]
- (d)** Name and state the distance from home of two features which suggest that the family lives on the edge of the town. [2]
- 3** Study Photograph A (Insert 2) of part of a river valley.
- (a)** Describe the river shown in Photograph A. [1]
- (b)** Describe the physical features of the river's valley. [4]

4 Fig. 3 shows a recent plan of part of the town of Manzini, an urban area in Swaziland.



Key:

- | | | | | | |
|-----|---|----------|--------------------------------|----------|---------------------|
| 550 | Contours In Metres (contour interval 30m) | A | Credit And Savings Bank | F | Old Cemetery |
| | River | B | Standard Bank | G | Town Council Office |
| | Public Buildings | C | Post Office | H | Swazi Handicrafts |
| | | D | District Commissioner's Office | J | Library |
| | | E | Police Station | | |

Fig. 3

- (a) State the height of the land on which most of the CBD is built. [1]
- (b) Using evidence from the town plan only, state the main functions (uses) of the buildings in Manzini. [6]

- 5 Study Fig. 4 which shows National Parks, Game Reserves and other tourist centres in Kenya, East Africa.

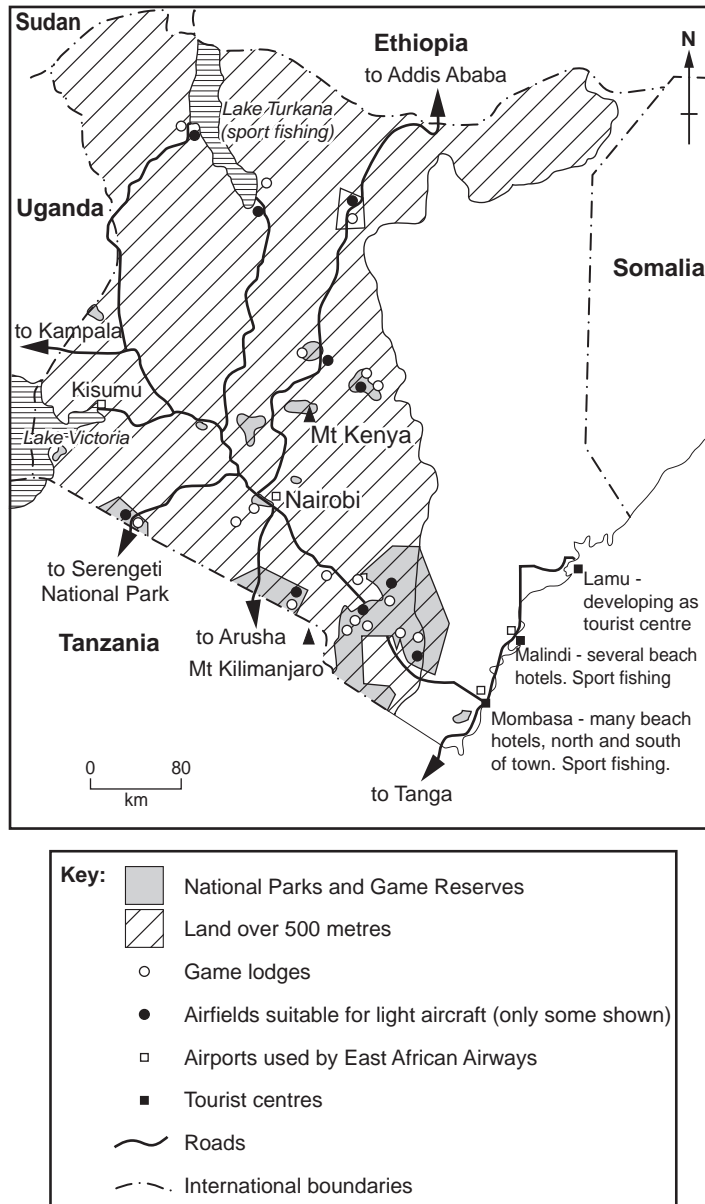


Fig. 4

- (a) Describe the distribution of National Parks and Game Reserves and other tourist centres in Kenya. [3]
- (b) Using evidence from Fig. 4 only, state the physical and human features which have contributed to the development of tourism in Kenya. [4]

6 Fig. 5 (Insert 1) will, when completed, show the employment structure of three countries in different stages of economic development.

(a) Using the information given below, complete the graph to show the employment structure of Peru. [2]

Primary industry 40%

Secondary industry 18%

Tertiary industry 42%

(b) Which country has the largest percentage of its workforce in secondary industry? [1]

(c) Using the information in Fig. 5, describe what happens to the employment structure of a country as it becomes more developed. [3]

7 Study the information given in Fig. 6 (Insert 1) about two residential areas in a large city.

(a) For area **A**

(i) calculate the density of population per hectare, [1]

(ii) state the percentage of homes that are rented. [1]

(b) Complete the pie graph for area **B** using the key provided and the following information:

Housing Association	15%
Owner occupied	35%
Rented (unfurnished)	40%
Rented (furnished)	10%

[3]

(c) State how area **A** differs from area **B** in

(i) density of population [1]

(ii) rented accommodation. [2]

Copyright Acknowledgements:

Question 3. Photograph, R. Howarth.

Question 4. A. D. BOWEN. *Certificate Geography of Swaziland*. © Reproduced by permission of Pearson Education Ltd.

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