



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

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GEOGRAPHY

0460/12

Paper 1

October/November 2017

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
 Calculator

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 an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Write your answer to each question in the space provided.

If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions, **one** from each section.

The Insert contains Photograph A and Figs. 3A, 3B and 3C for Question 2, Fig. 4 for Question 3, Photographs B and C for Question 4, Photographs D, E and F for Question 5, and Fig. 9 for Question 6.

The Insert is **not** required by the Examiner.

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.

Definitions

MEDCs – More Economically Developed Countries

LEDCs – Less Economically Developed Countries

NICs – Newly Industrialised Countries

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **25** printed pages, **3** blank pages and **1** Insert.

Section A

Answer **one** question from this section.

QUESTION 1

- 1 (a) Study Fig. 1, which shows information about population growth in three countries.

| Country | Birth rate (per 1000) | Death rate (per 1000) | Natural population growth (per 1000) |
|---------|--------------------------|--------------------------|---|
| Chile | 13.8 | 6.0 | 7.8 |
| France | 12.4 | 9.2 | |
| Hungary | 9.3 | 12.7 | -3.4 |

Fig. 1

- (i) Define the term *natural population growth*.

.....
 [1]

- (ii) Calculate the natural population growth of France. You should show your calculations in the box below.

..... per 1000

[2]

- (iii) Suggest reasons why the population is declining in countries such as Hungary.

.....

 [3]

(ii) Suggest reasons why infant mortality is high in many LEDCs.

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..... [4]

(iii) Explain why countries with high infant mortality are likely to have high birth rates.

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..... [5]

QUESTION 2

2 (a) Study Photograph A (Insert), which shows a rural settlement in Lesotho (an LEDC in Africa).

(i) What is meant by a *rural* settlement?

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

(ii) Using evidence from Photograph A **only**, describe **two** characteristics of the houses in the settlement shown.

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

(iii) Explain how rural settlements, such as the one shown in Photograph A, fit into the hierarchy of settlement in a country.

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.....[3]

(iv) Explain why many people have migrated away from rural settlements, such as the one shown in Photograph A.

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.....[4]

Section B

Answer **one** question from this section.

QUESTION 3

3 (a) Study Fig. 4 (Insert), a map showing the location of recorded earthquakes which have occurred in New Zealand.

(i) What is meant by the *focus* of an earthquake?

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

(ii) Identify the depth of the focus and the strength (on the Richter scale) of the earthquake which occurred at 40°S 178°E.

Depth of focus km

Strength [2]

(iii) Using Fig. 4 **only**, compare the similarities and differences of the earthquakes which have occurred on North Island and South Island of New Zealand.

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.....[3]

(iv) Using Fig. 4, explain why New Zealand experiences earthquakes.

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.....[4]

QUESTION 4

4 (a) Study Fig. 6, which shows three areas of natural vegetation in Bangladesh (an LEDC in Asia).

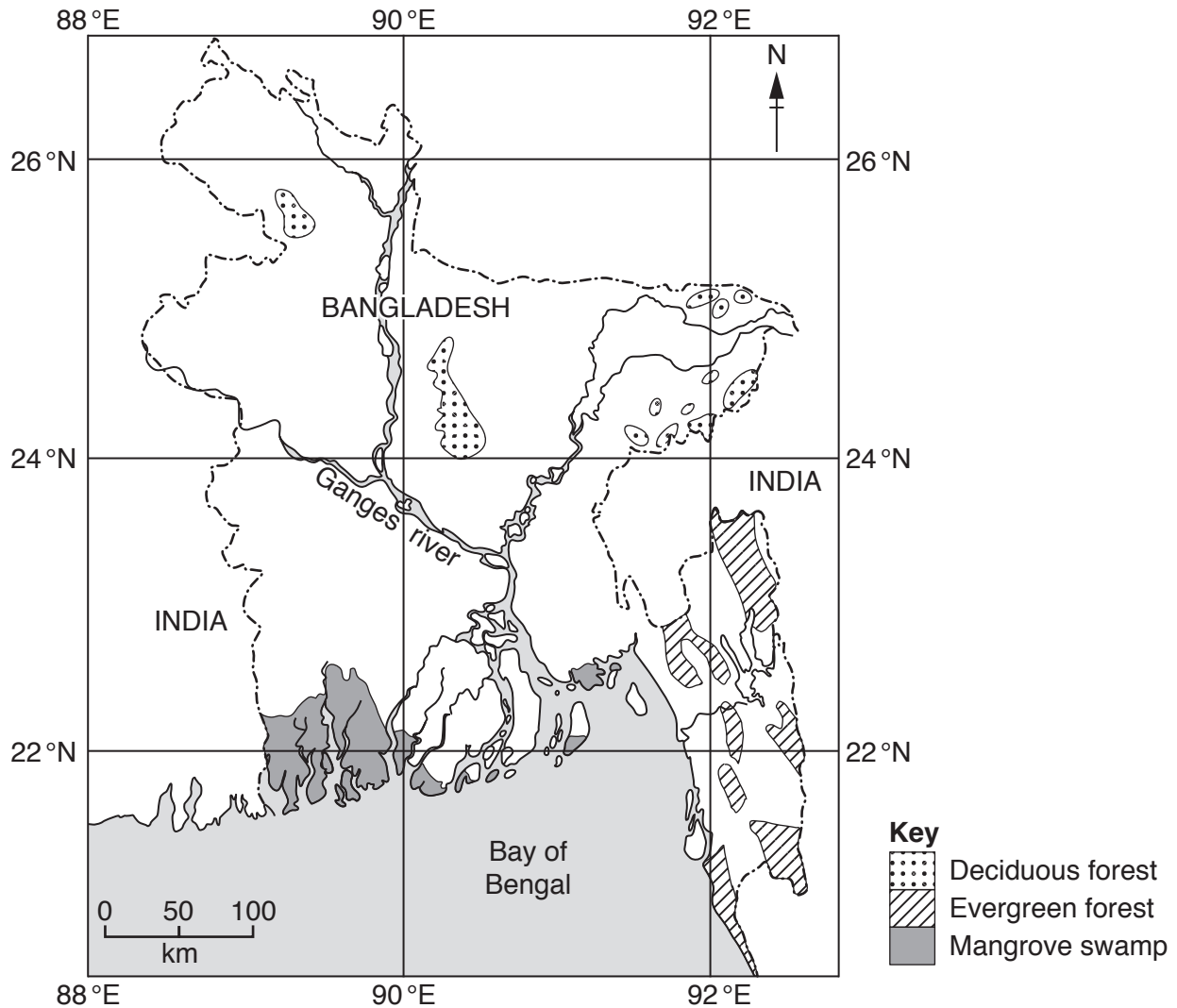


Fig. 6

(i) Tick the **one** latitude and longitude in the table below which shows the location of an area of mangrove swamp.

| | Tick (✓) |
|-----------|----------|
| 21°N 89°E | |
| 22°N 90°E | |
| 23°N 91°E | |

[1]

(ii) Using Fig. 6 **only**, describe the distribution of the areas of mangrove swamp.

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..... [2]

(iii) Describe the main features of a mangrove swamp.

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..... [3]

(iv) Coral reefs are located along many coastlines in tropical areas.

Describe **four** conditions which are needed for the development of a coral reef.

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

Section C

Answer **one** question from this section.

QUESTION 5

- 5 (a) Study Fig. 7, which is a graph showing information about the average employment structure of LEDCs and MEDCs, along with Photographs D, E and F (Insert).

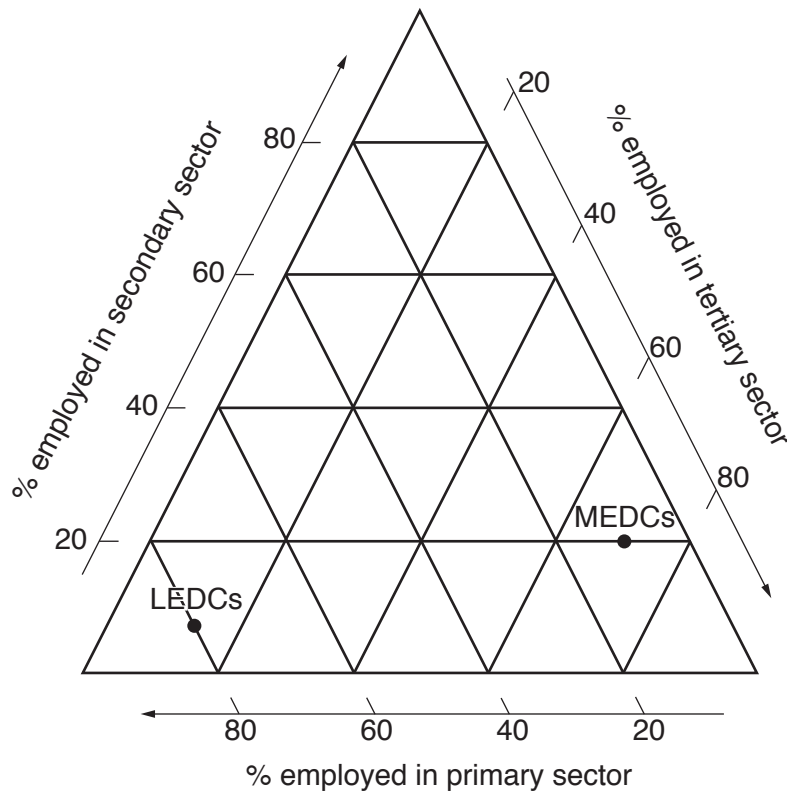


Fig. 7

- (i) **Plot a cross on Fig. 7** to show the following information about the average employment structure of NICs:

Primary 20%;
 Secondary 30%;
 Tertiary 50%.

[1]

- (ii) Match Photographs D, E and F (Insert) with the descriptions in the table below. Write the letter of a photograph alongside the correct description.

| | Letter (D, E or F) |
|-------------------------------|--------------------|
| Primary industry in an LEDC | |
| Secondary industry in an MEDC | |
| Tertiary industry in an NIC | |

[2]

QUESTION 6

6 (a) Study Fig. 9 (Insert), which is a map showing information about industry in Panama (an LEDC in Central America).

(i) What is meant by *manufacturing*?

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

(ii) Identify the following from Fig. 9:

- A food processing industry in Colón;
- A crop grown around Puerto Armuelles. [2]

(iii) What evidence on Fig. 9 suggests that raw materials influence the location of manufacturing industry in Panama?

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.....[3]

(iv) Suggest other factors which may have influenced the location of manufacturing industry in Panama.

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.....[4]

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