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Cambridge Assessment International Education

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* 2548597036 *

GEOGRAPHY **0460/21**

Paper 2 Geographical Skills **May/June 2023**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
1:25 000 survey map (enclosed)
Calculator
Plain paper
Protractor
Ruler

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains additional resources referred to in the questions.

Definitions
MEDCs – More Economically Developed Countries
LEDCs – Less Economically Developed Countries

This document has **20** pages. Any blank pages are indicated.

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1 Study the map extract for Kilmarnock, Scotland. The scale is 1:25 000.

(a) Fig. 1.1 shows some of the features around Kilmaurs. Study Fig. 1.1 and the map extract and answer the questions below.

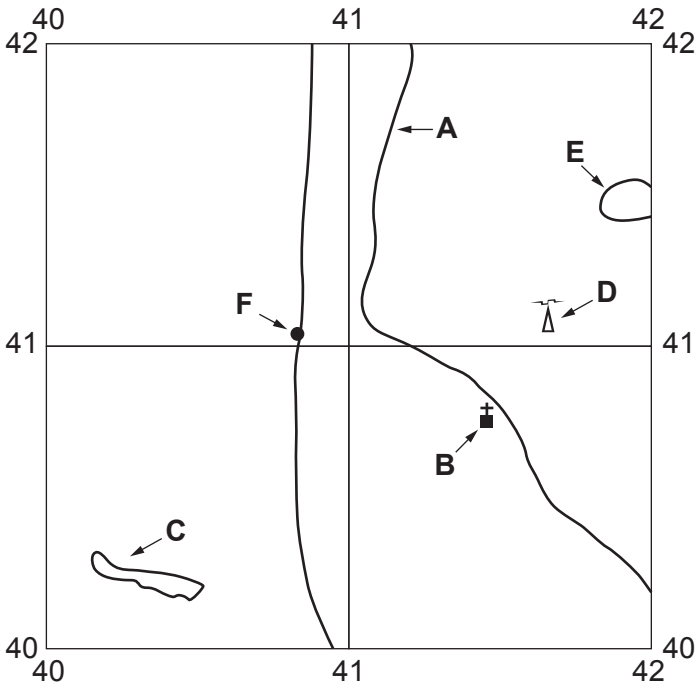


Fig. 1.1

Using the map extract, identify the following features shown in Fig. 1.1:

(i) the type of road at **A**

..... [1]

(ii) feature **B**

..... [1]

(iii) the land use at **C**

..... [1]

(iv) feature **D**

..... [1]

(v) the height above sea level of the contour line at **E**.

..... metres [1]

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(b) Study Fig. 1.1 and the map extract.

(i) Using the map extract, measure the distance along the railway line from the railway station at Kilmaurs (**F**) to the railway station at Kilmarnock.

..... km [1]

(ii) Measure the bearing **from** the railway station at Kilmaurs (**F**) to the railway station at Kilmarnock.

..... degrees [1]

(iii) What is the six-figure grid reference for the railway station at Kilmarnock?

..... [1]

(c) Annanhill Golf Course (4137) is in the south-west of the map extract.

(i) Which **two** of the following statements are true about the location of Annanhill Golf Course? Tick (✓) **two** boxes below.

	tick (✓)
it has a north-west-facing slope	
it has a south-east-facing slope	
it has a south-west-facing slope	
it is in the CBD	
it is in the rural-urban fringe	
it is in the countryside	

[2]

(ii) Using map evidence, suggest reasons for the location of the large leisure facility, Annanhill Golf Course.

.....

.....

.....

.....

.....

..... [3]

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(d) Describe the human and physical (natural) features of the River Irvine, which flows in the south of the map extract.

Human features

.....

.....

.....

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.....

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Physical features

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..... [7]

[Total: 20]

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2 Study Fig. 2.1, which shows the population structure of selected countries in 2019.

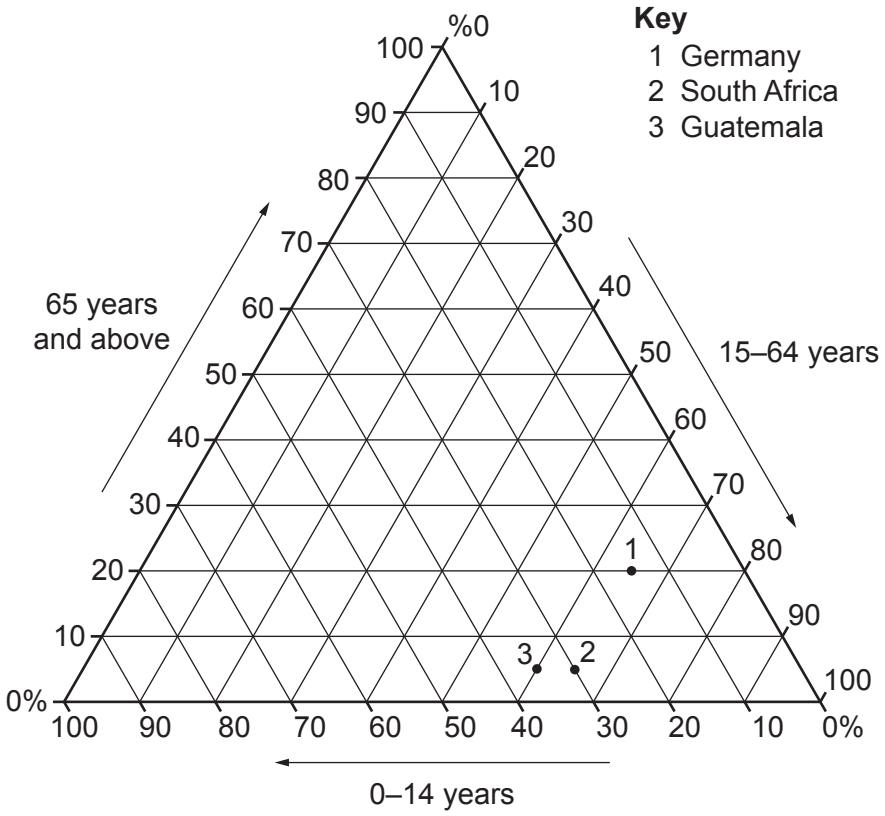


Fig. 2.1

(a) What percentage of Germany's population is aged 0–14 years?

..... % [1]

(b) **(i)** Using Table 2.1, **plot and label** the position of the world's population structure on Fig. 2.1 with a number 4.

Table 2.1

	0–14 years	15–64 years	65 years and above
world	25%	65%	10%

[1]

(ii) Suggest another type of graph which could be used to show the world's population structure.

..... [1]

(iii) How do the percentages of Germany's and the world's population aged 0–14 years differ? Do **not** use statistics in your answer.

.....

..... [1]

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(c) Suggest **four** problems caused by an ageing population.

1 .....

.....

2 .....

.....

3 .....

.....

4 .....

..... [4]

[Total: 8]

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3 Study Figs. 3.1, 3.2 and 3.3 (Insert), which show different areas of the city of Kuala Lumpur, Malaysia, an LEDC.

(a) (i) Identify each land-use zone. Choose your answers from the following:

industrial residential CBD rural-urban fringe transportation

Fig. 3.1 .....

Fig. 3.2 .....

Fig. 3.3 .....

[3]

(ii) Suggest **one** reason why each area shown in Figs. 3.1, 3.2 and 3.3 has high-rise buildings.

.....

..... [1]

(b) Figs. 3.4 and 3.5 (Insert) show models of urban land use in an MEDC and an LEDC.

Compare the urban land-use models shown in Figs. 3.4 and 3.5.

.....

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..... [4]

[Total: 8]

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4 Table 4.1 gives the definitions of some terms used in the study of rivers and drainage basins.

Table 4.1

letter	definition
A	when a gas (water vapour) turns to liquid
B	where two rivers meet
C	a stream which feeds into a larger stream or river
D	the highest point of land which divides drainage basins
E	when liquid turns into gas (water vapour)

(a) For each of the following terms give the letter for the correct definition from Table 4.1:

	letter
watershed	
tributary	
evaporation	

[3]

(b) Fig. 4.1 shows the discharge for two rivers. Both rivers receive the same amount of rainfall at the same time.

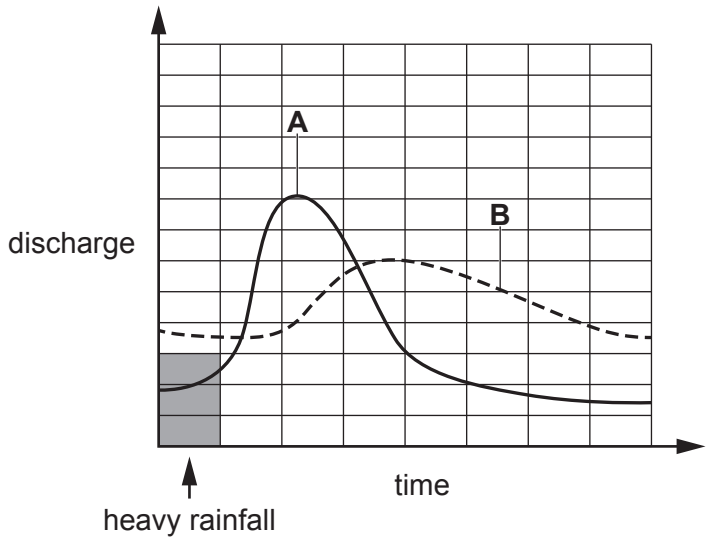


Fig. 4.1

(i) Compare the discharge of river **A** with river **B** in Fig. 4.1.

.....

.....

.....

..... [2]

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(ii) Using Fig. 4.1, suggest **three** ways in which the drainage basins of river **A** and river **B** differ.

1 .....

.....

2 .....

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3 .....

..... [3]

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5 Fig. 5.1 shows the global distribution of tropical rainforests.

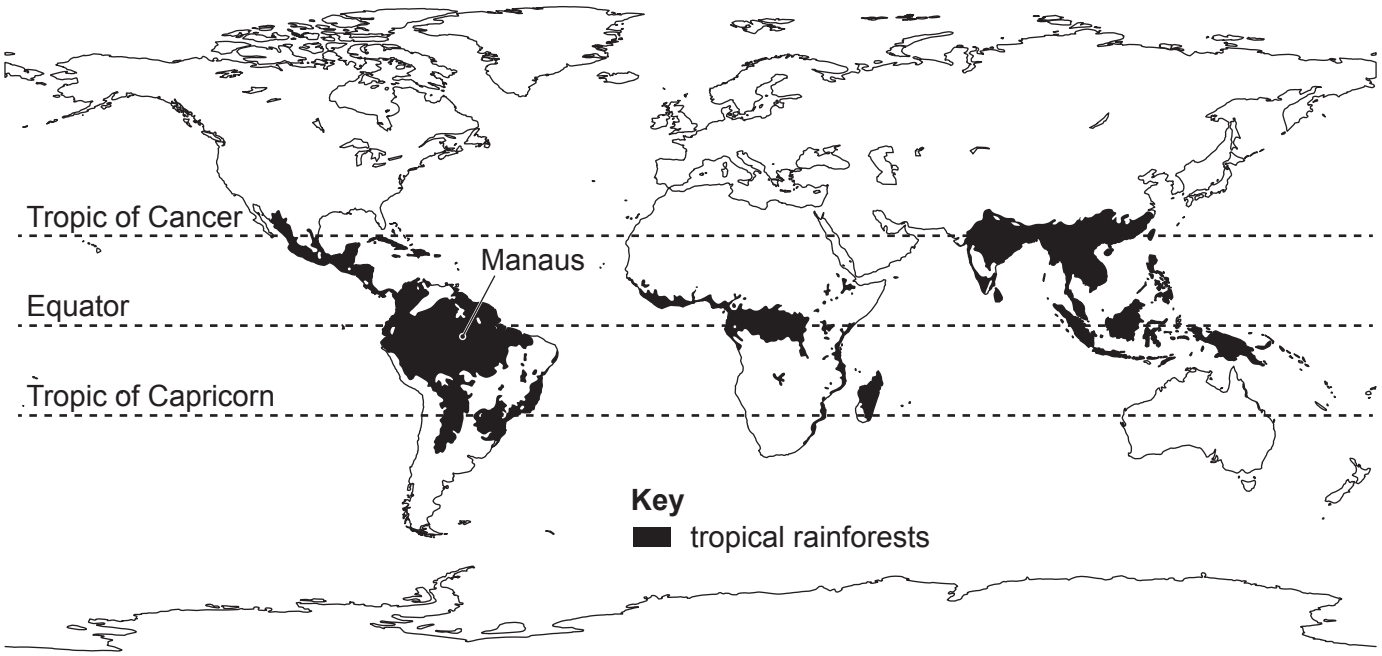


Fig. 5.1

(a) Using Fig. 5.1, describe the global distribution of tropical rainforests.

.....

.....

.....

.....

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..... [3]

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(b) Fig. 5.2 shows the climate of Manaus, Brazil.

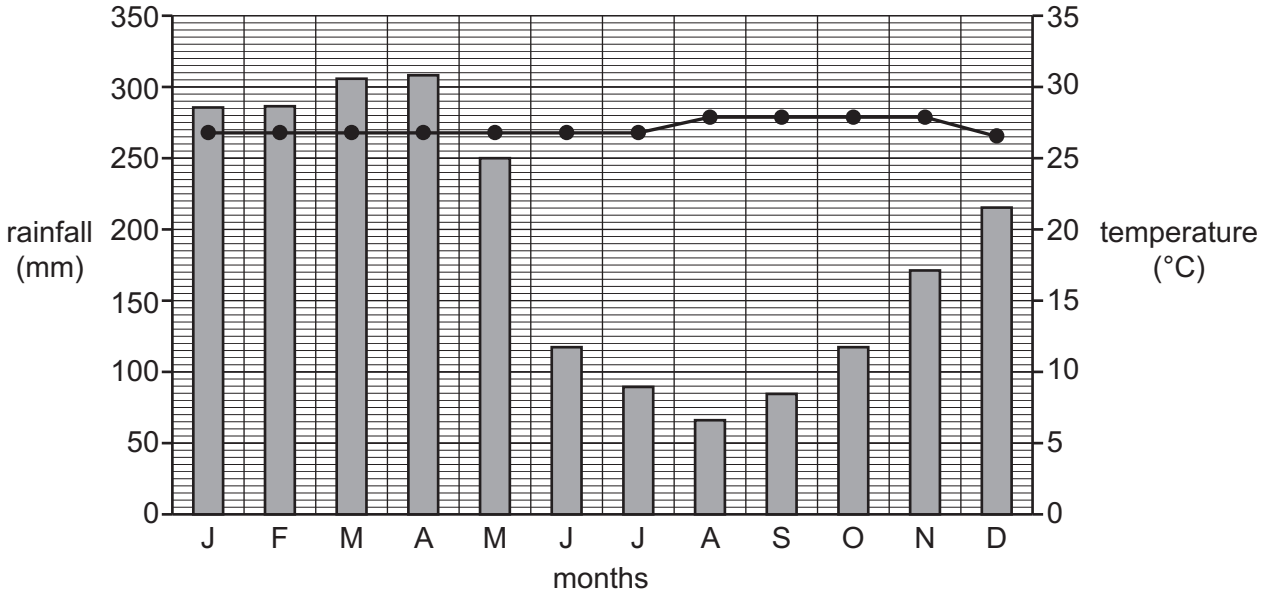


Fig. 5.2

For the climate shown in Fig. 5.2 state the:

(i) rainfall in May

..... mm [1]

(ii) temperature in March.

..... °C [1]

(c) Using Fig. 5.2 **only**, describe the main features of an equatorial climate.

.....

.....

.....

.....

.....

..... [3]

[Total: 8]

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6 Study Fig. 6.1, which shows a map of tourist attractions on the island of Jamaica.

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Fig. 6.1

(a) (i) Which part of Jamaica has the most tourist attractions? (Circle) your answer.

north **north-west** **south** **south-west** [1]

(ii) Identify **two** physical (natural) attractions shown in Fig. 6.1.

1 .....

2 ..... [2]

(b) Suggest **two** benefits of tourism for local residents.

1 .....

2 ..... [2]

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(c) Suggest ways in which the Jamaican government can encourage sustainable development of tourism on the island.

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..... [3]

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Additional pages

If you use the following pages to complete the answer to any question, the question number must be clearly shown.

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