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Cambridge Assessment International Education

Cambridge IGCSE™

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

7912488259

GEOGRAPHY **0460/22**

Paper 2 Geographical Skills **February/March 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
LEDC – Less Economically Developed Country
MEDC – More Economically Developed Country

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

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

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

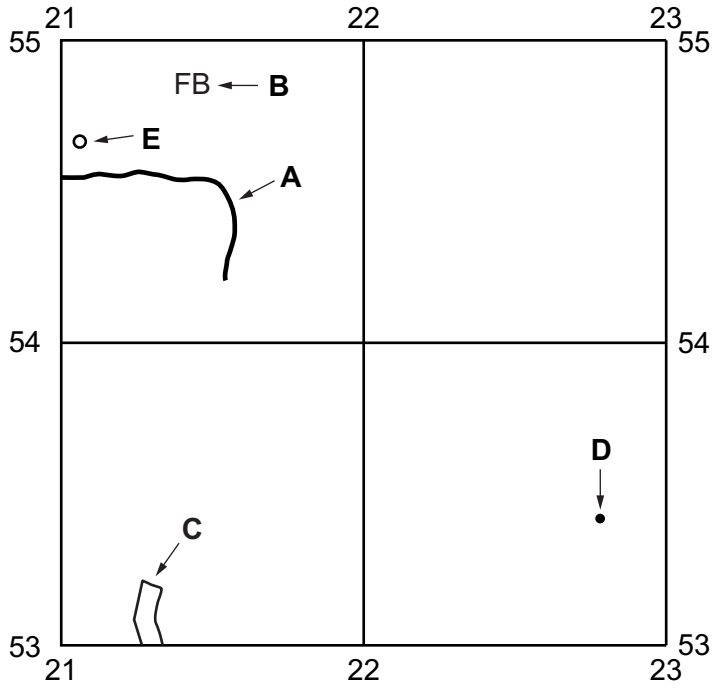


Fig. 1.1

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

(i) the name of the river at **A**

..... [1]

(ii) feature **B**

..... [1]

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

..... [1]

(iv) the height above sea level of the spot height (triangulation pillar) at **D**.

..... metres [1]

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(b) Look at the railway line which runs to the south from the railway station at **E** shown on Fig. 1.1.

(i) Give the six-figure grid reference of the railway station at **E** shown on Fig. 1.1.

..... [1]

(ii) What is the distance along the railway line from the railway station at **E** to the **southern edge** of the map extract?

..... kilometres [1]

(iii) What is the bearing from the railway station at **E** to the end of the railway line at the **southern edge** of the map extract?

..... degrees [1]

(c) Identify **three** tourist attractions shown on the map extract.

1 .....

2 .....

3 .....
[3]

(d) Describe the types and distribution of vegetation shown on the map extract.

.....

.....

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.....

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.....

.....

..... [4]

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[Turn over

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(e) Describe the drainage pattern east of easting 21 shown on the map extract.

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..... [6]

[Total: 20]

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TURN PAGE FOR QUESTION 2

2 Study Fig. 2.1, which shows an area surrounding a city.

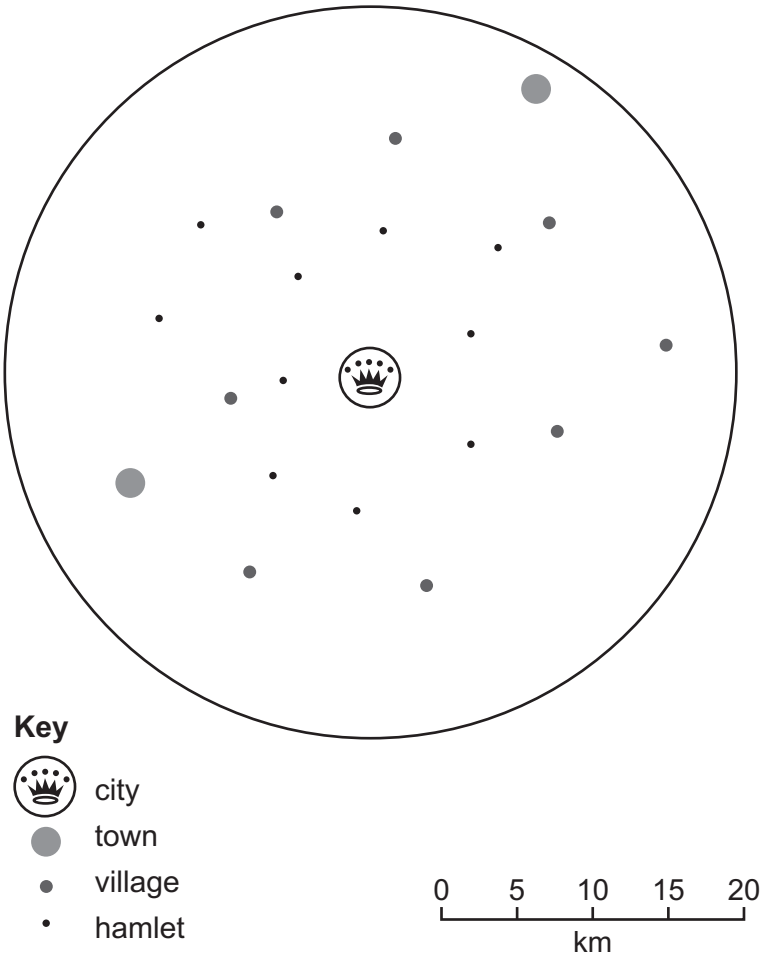


Fig. 2.1

(a) (i) Using Fig. 2.1, complete the table below:

settlement type	**number of settlements**
city	1
town	
village	
hamlet	10

[2]

(ii) Using Fig. 2.1, find the distance between the towns.

..... kilometres [1]

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(b) What is meant by the following terms?

(i) sphere of influence

.....

..... [1]

(ii) threshold population

.....

..... [1]

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(c) Fig. 2.2 shows the relationship between population size and the number of services provided by a settlement.

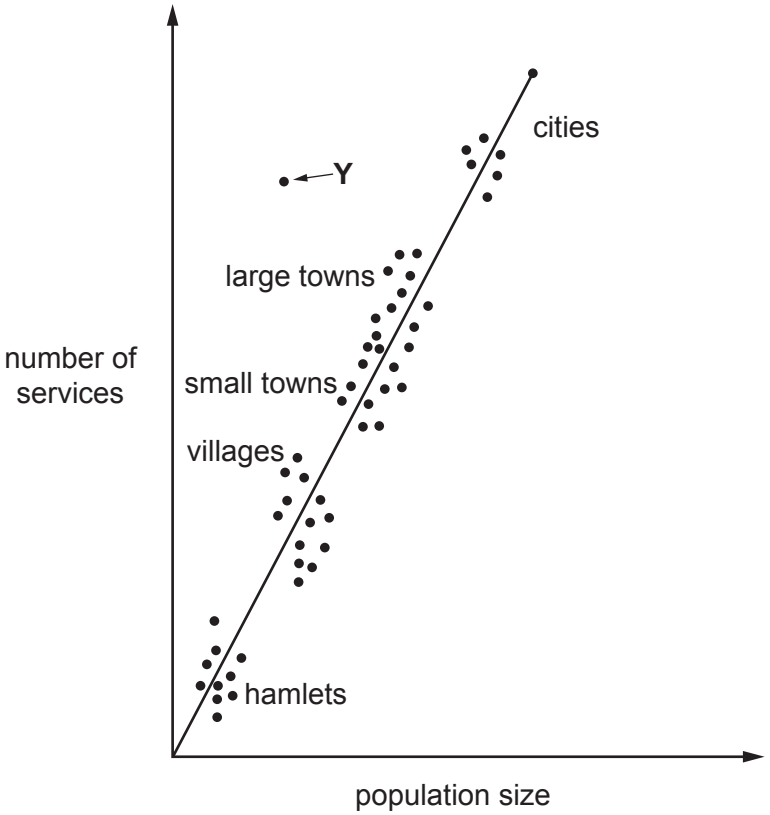


Fig. 2.2

(i) Using Fig. 2.2, describe the relationship between population size and number of services.

.....

..... [2]

(ii) Settlement **Y** has a large number of services compared to its population size. Circle the correct answer below to show what function the settlement might have.

capital city dormitory settlement manufacturing mining tourism

[1]

[Total: 8]

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3 Fig. 3.1 (Insert) shows the Mount Sinabung volcano erupting in 2017.

(a) Describe the volcano shown in Fig. 3.1.

.....

.....

.....

.....

.....

.....

..... [4]

(b) State **four** reasons why people live near volcanoes.

1 .....

.....

2 .....

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3 .....

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4 .....

.....

[4]

[Total: 8]

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4 Graphs **A** and **B** in Fig. 4.1 show the hot desert climate in two different areas of the world.

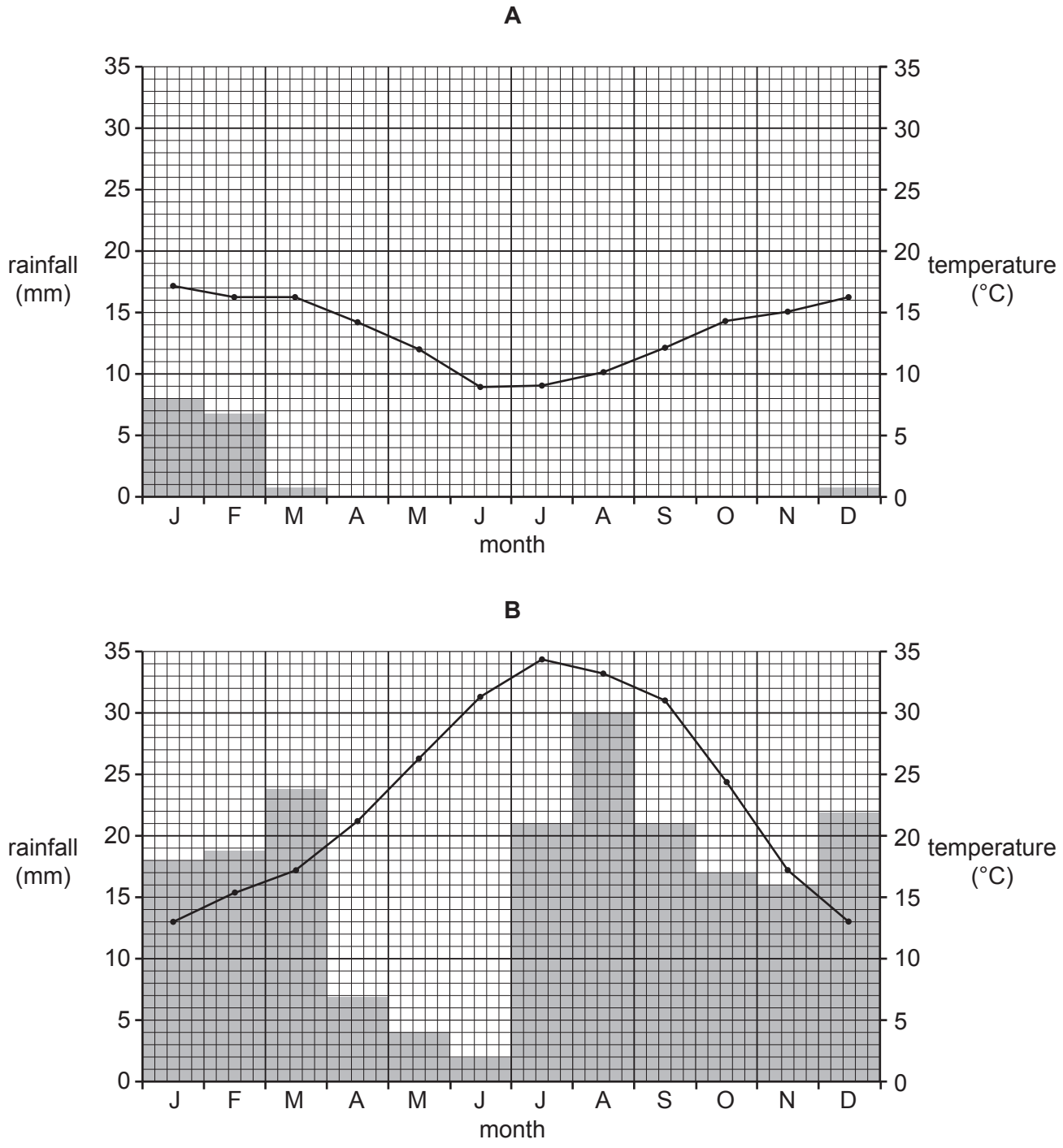


Fig. 4.1

(a) Using Fig. 4.1, state the:

(i) January rainfall at **A**

..... mm [1]

(ii) September temperature at **B**.

..... °C [1]

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(iii) Which of the following statements are true about the climates **A** and **B** shown in Fig. 4.1? Tick (✓) **one** box on each line. One has been completed for you.

	tick (✓)	
	A	**B**
highest temperature range		✓
lowest minimum temperature		
highest annual rainfall		
longest dry season		
in the southern hemisphere		

[2]

(b) Explain why rainfall is low in hot desert areas.

.....

.....

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..... [4]

[Total: 8]

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5 Figs. 5.1, 5.2 and 5.3 show information about population, rice production and imports in Indonesia, an LEDC.

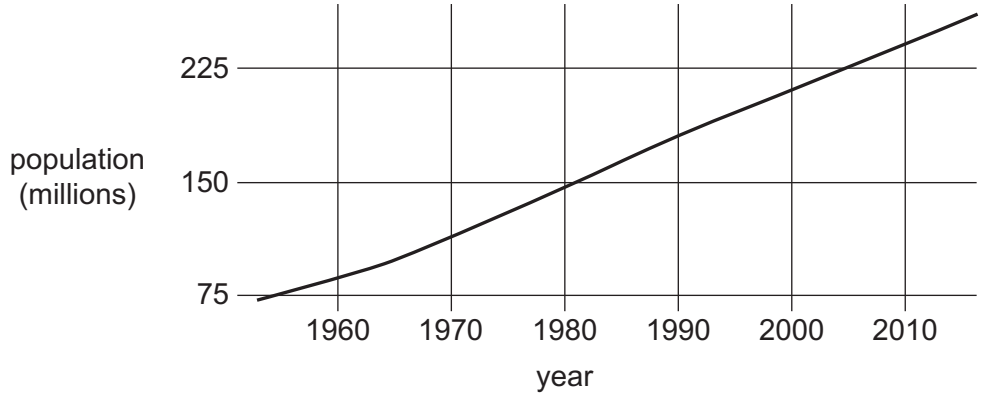


Fig. 5.1

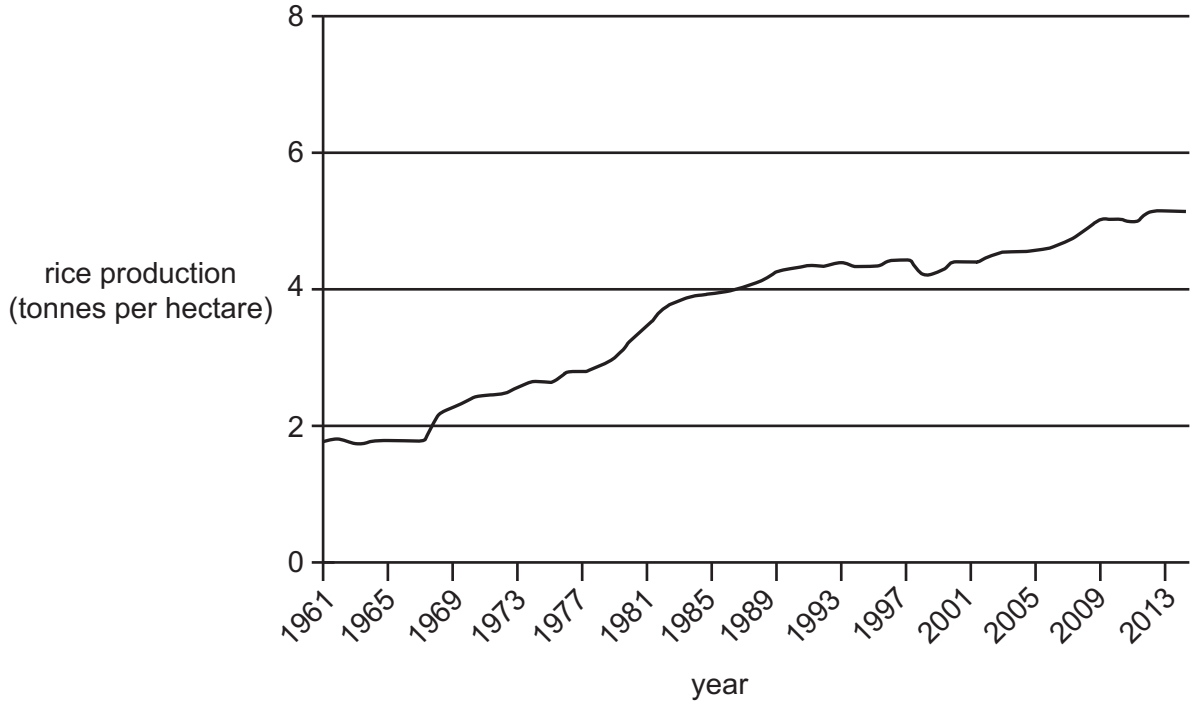


Fig. 5.2

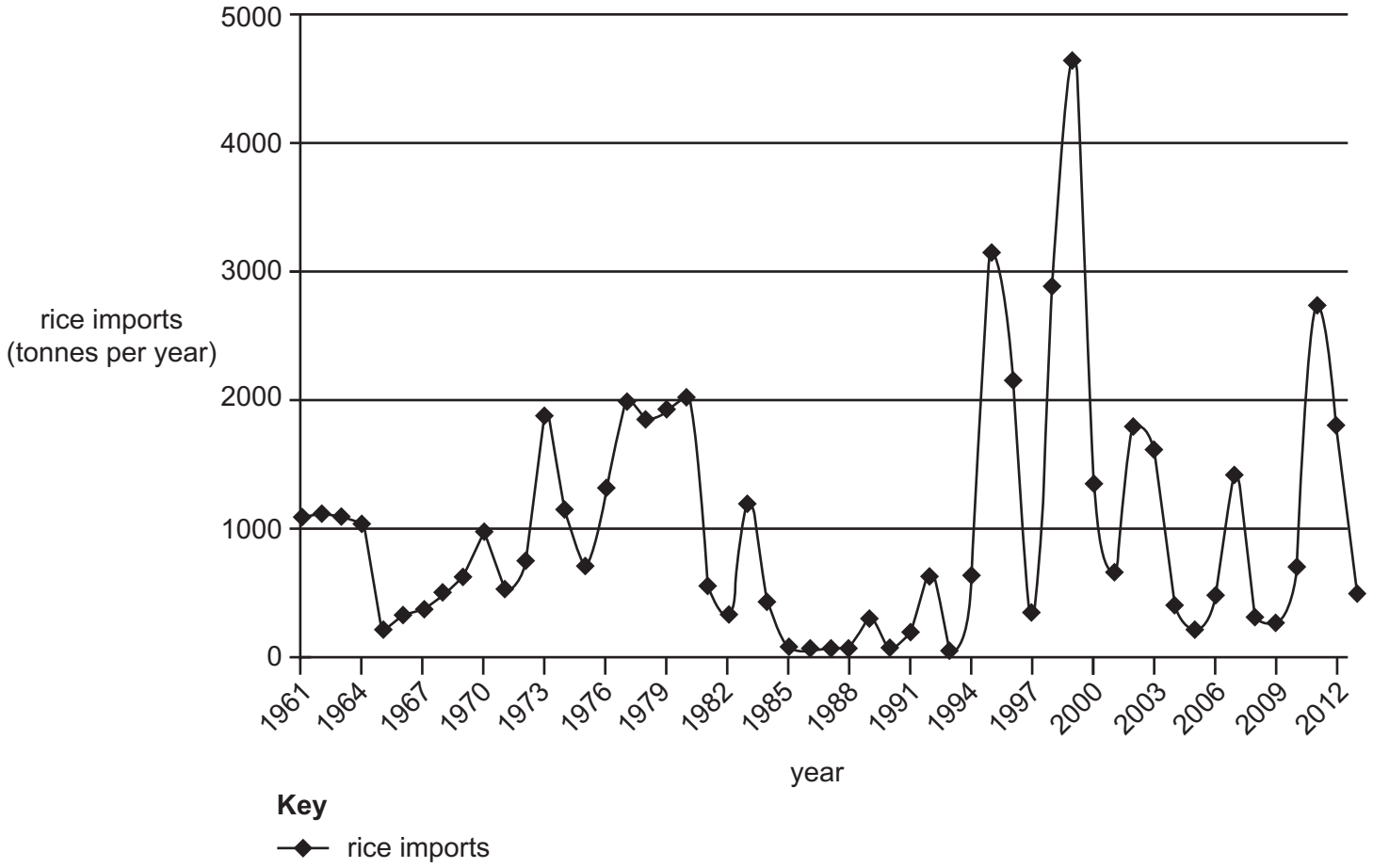


Fig. 5.3

(a) Rice is a main food in Indonesia. Using Figs. 5.1, 5.2 and 5.3 **only**, identify **three** problems which Indonesia faces in feeding its population.

Fig. 5.1 .....

.....

Fig. 5.2 .....

.....

Fig. 5.3 .....

.....

[3]

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(b) (i) Study Fig. 5.4 (Insert), which shows rice farming in Bali, Indonesia.

Using Fig 5.4 **only**, explain **two** ways in which the land has been changed to increase food supply.

1 .....

.....

2 .....

.....

[2]

(ii) Suggest **three other** ways that farmers in LEDCs could increase their yield per hectare.

1 .....

.....

2 .....

.....

3 .....

.....

[3]

[Total: 8]

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6 **(a)** Study Fig. 6.1, which shows the employment structures in France (an MEDC) and the Democratic Republic of the Congo (an LEDC) in 2019.

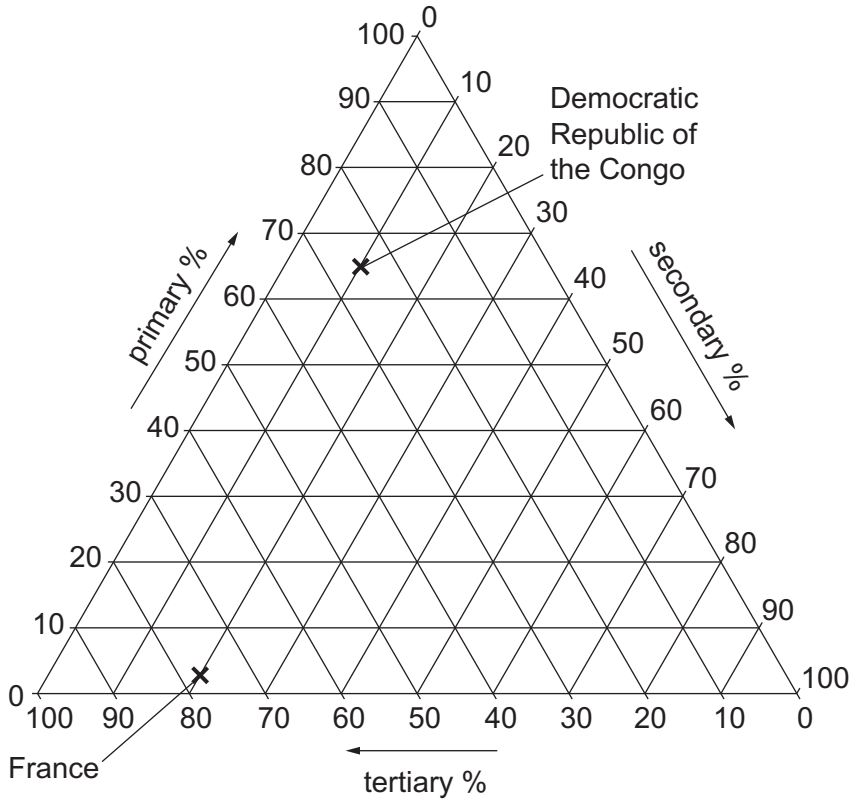


Fig. 6.1

(i) What percentage of the Democratic Republic of the Congo's employment is in secondary industry?

..... % [1]

(ii) Plot and label China on Fig. 6.1, using the information below:

Primary 25%
Secondary 25%
Tertiary 50%

[1]

(iii) Using Fig. 6.1 **only**, identify **three** ways in which the Democratic Republic of the Congo's employment structure is different from France's.

1 .....

.....

2 .....

.....

3 .....

.....

[3]

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(b) Why do MEDCs have a high proportion of people employed in tertiary industry?

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..... [3]

[Total: 8]

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Additional pages

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