Cambridge Assessment International Education

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CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

0614269037

GEOGRAPHY **0460/22**

Paper 2 Geographical Skills **February/March 2021**

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.

This document has **16** pages. Any blank pages are indicated.

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1 Study the map extract for Fortuniès, France. The scale is 1:25 000.

(a) Fig. 1.1 shows some of the features around the settlement of Collanges in the south 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) feature **A**

..... [1]

(ii) the name of river **B**

..... [1]

(iii) land use at **C**

..... [1]

(iv) feature **D**

..... [1]

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

..... metres [1]

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(b) A person travels on the footpath from the north of the river outside Collanges (863013) to the junction with the footpath south east of les Ginestes (855022).

(i) In which overall compass direction does the person travel?

..... [1]

(ii) What distance does the person travel along the footpath?

..... metres [1]

(iii) How many metres does the person climb? Circle **one** correct answer below.

802 m 902 m 102 m 112 m [1]

(c) Fig. 1.2 shows the location of two grid squares in the east of the map extract. These are square 8802 at Lac de Sauvages and square 8902 at Peyre del Cayre. Study the two areas and answer the question below.

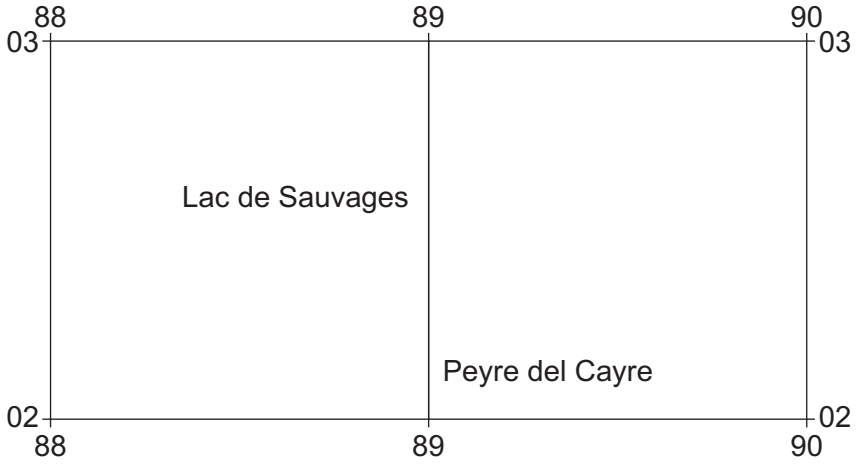


Fig. 1.2

The table below compares the features of the two areas. Complete the table by putting ticks (✓) in the correct **five** boxes. Use only **one** tick for each row.

	square 8802 at Lac de Sauvages	**square 8902 at Peyre del Cayre**	**both these areas**	**neither of these areas**
parking				
steep slopes				
area liable to flooding				
land over 1200 m above sea level				
church				

[5]

(d) Fig. 1.3 is a cross-section along northing 025 from 860025 to 890025, passing through the village of Sauvages.

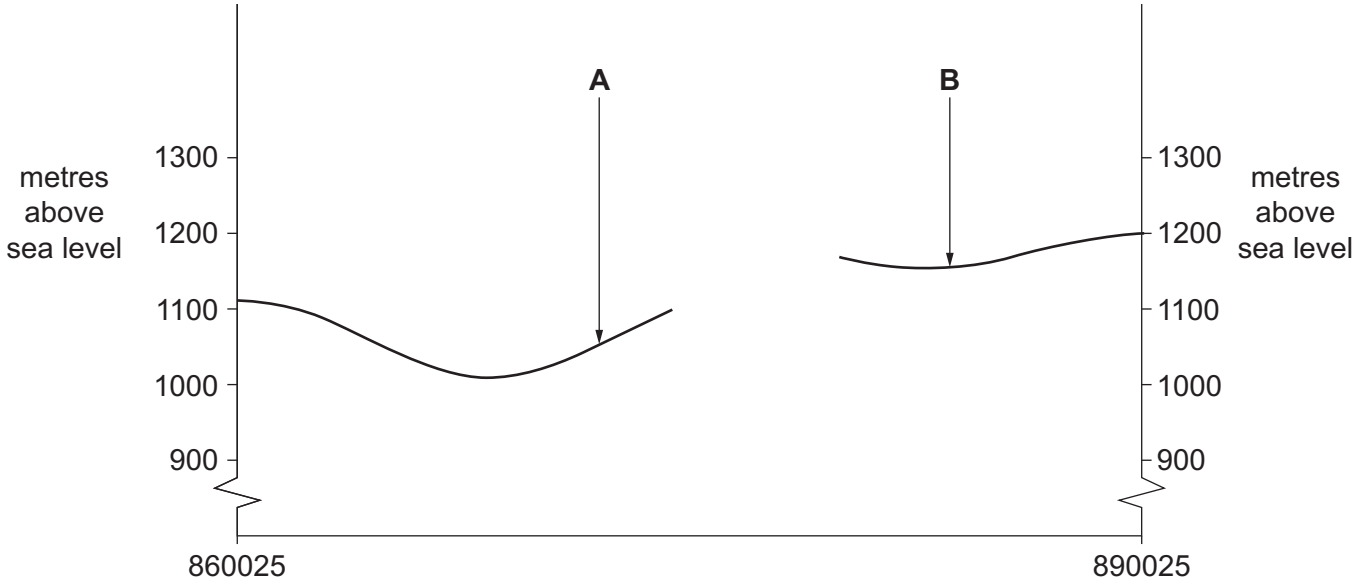


Fig. 1.3

(i) Identify the feature at **A**.

..... [1]

(ii) Identify the feature at **B**.

..... [1]

(iii) The cross-section shown on Fig. 1.3 is incomplete. Using information from the map extract, draw a line on Fig. 1.3 to **complete the cross-section**. [1]

(e) Find the settlement of Dienne in the south west of the map extract. Using the map extract, describe the site and give reasons for the growth of the settlement.

.....

.....

.....

.....

.....

.....

.....

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.....

.....

..... [4]

[Total: 20]

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2 Fig. 2.1 shows the change in the percentage of the rural population in the world between 1960 and 2015.

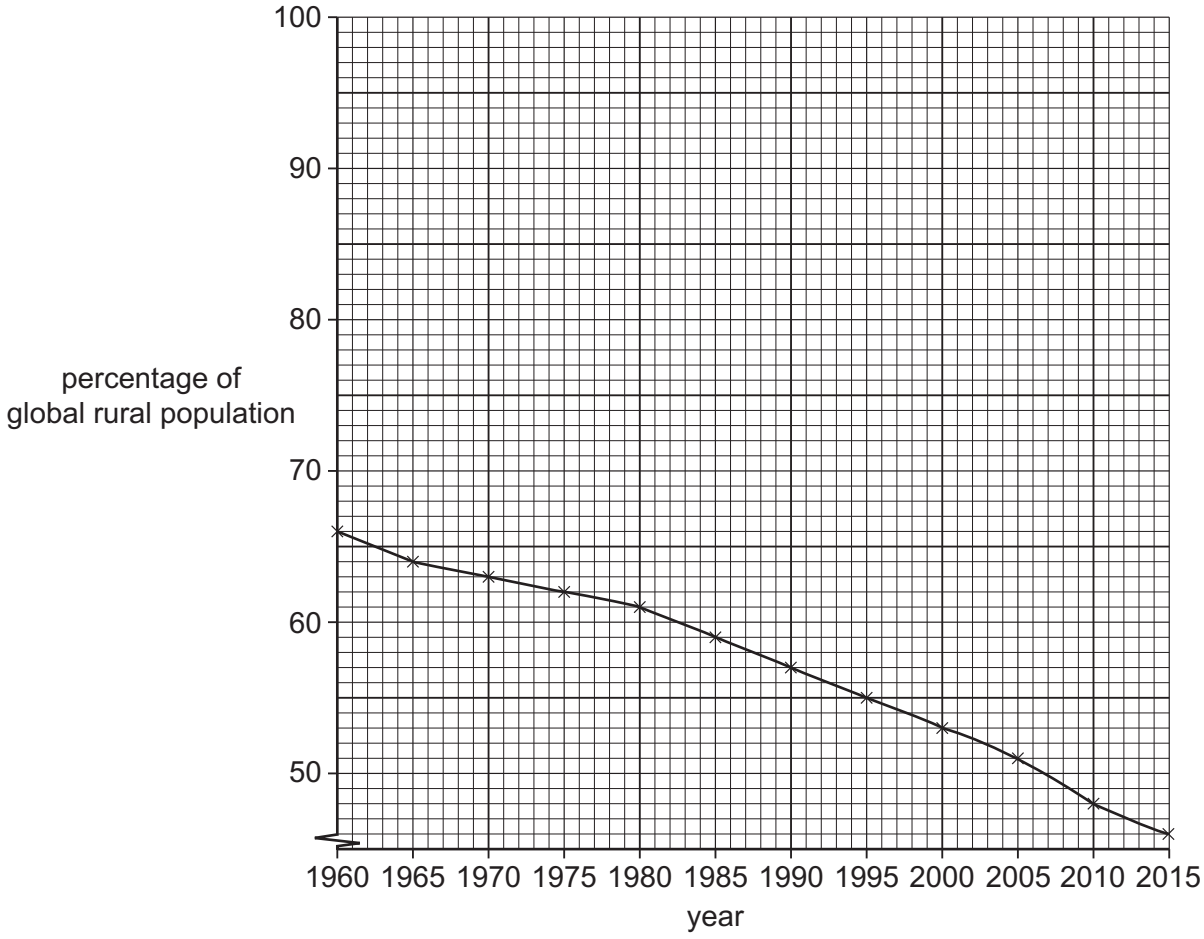


Fig. 2.1

(a) (i) Using Fig. 2.1, state the percentage of global rural population in 1990.

..... % [1]

(ii) Describe the changes in global rural population shown in Fig. 2.1. Refer to statistics in your answer.

.....

.....

.....

.....

.....

..... [3]

(b) Table 2.1 shows the characteristics of people moving from a village to a local town.

Table 2.1

	percentage
Male	70
Female	30
Age (years):	
20–29	53
30–39	26
40–49	15
50–59	4
60 and above	2
Married	21
Single	79

(i) Which type of graph would be suitable to show the age data shown in Table 2.1?

..... [1]

(ii) Using Table 2.1, describe **three** main characteristics of the migrants moving from the village to the town.

1 .....

2 .....

3 ..... [3]

[Total: 8]

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3 **(a)** What is the correct term for the growth in the percentage of people living in towns and cities?

Circle the correct answer below.

urbanisation conurbation migration counter-urbanisation [1]

(b) Fig. 3.1 describes the squatter settlement of Dharavi in Mumbai, India.

> Dharavi is home to approximately one million people. It is built on former marshland and lies close to Bandra Kurla, India's richest business area. The settlement is made up of hundreds of tiny lanes. One toilet is shared by 1500 residents and sewage runs in open drains. The area provides an income of US$ 700 million and many residents work in industries recycling plastic, making pottery, catering and heavy industry. The government is keen to redevelop the area. However, many residents are not happy as they will have less space for their businesses and will be located a long way from Mumbai.

Fig. 3.1

(i) Many migrants to Dharavi came from poor rural areas. Suggest **two** push factors which caused people to leave the rural areas.

1 .....

.....

2 .....

..... [2]

(ii) Using Fig. 3.1 **only**, give **two** reasons why the government is keen to redevelop the area.

1 .....

.....

2 .....

..... [2]

(iii) Using Fig. 3.1 **only**, suggest **three** reasons why the residents may not want to move from the area.

1 .....

.....

2 .....

.....

3 .....

..... [3]

[Total: 8]

4 Fig. 4.1 shows the sunshine hours per month for an area in southern England.

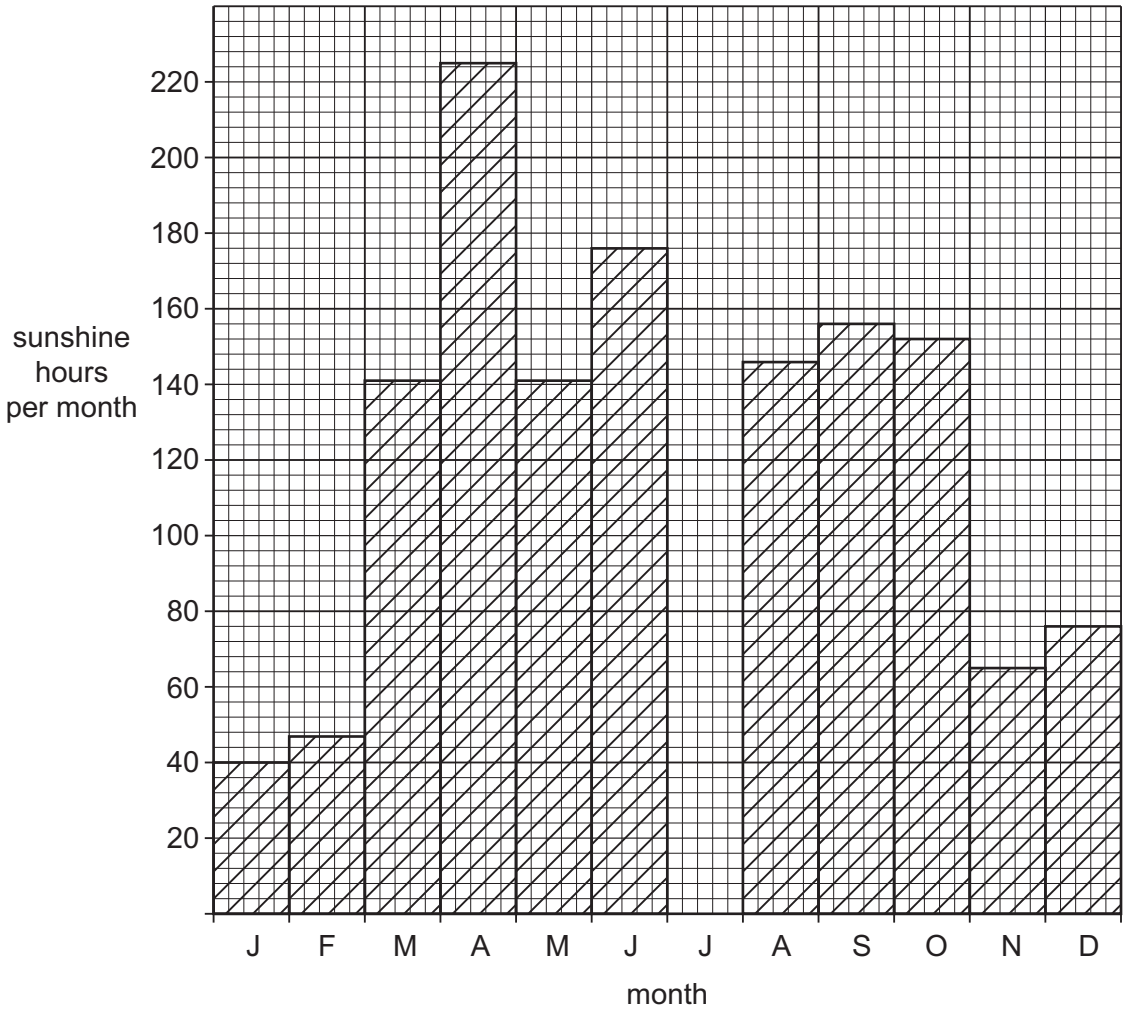


Fig. 4.1

(a) (i) Using Fig. 4.1, state the total sunshine hours in April.

..... hours [1]

(ii) **Complete Fig. 4.1** to show the following information:

total sunshine hours for July: 160 hours. [1]

(iii) Describe the best location for a sunshine recorder.

.....

.....

.....

..... [2]

(b) Fig. 4.2 (Insert) shows some clouds.

Describe the clouds shown in Fig. 4.2.

.....

.....

.....

..... [2]

(c) Describe how cloud cover is measured.

.....

.....

.....

..... [2]

[Total: 8]

5 Fig. 5.1 shows a nutrient cycle in a tropical rainforest.

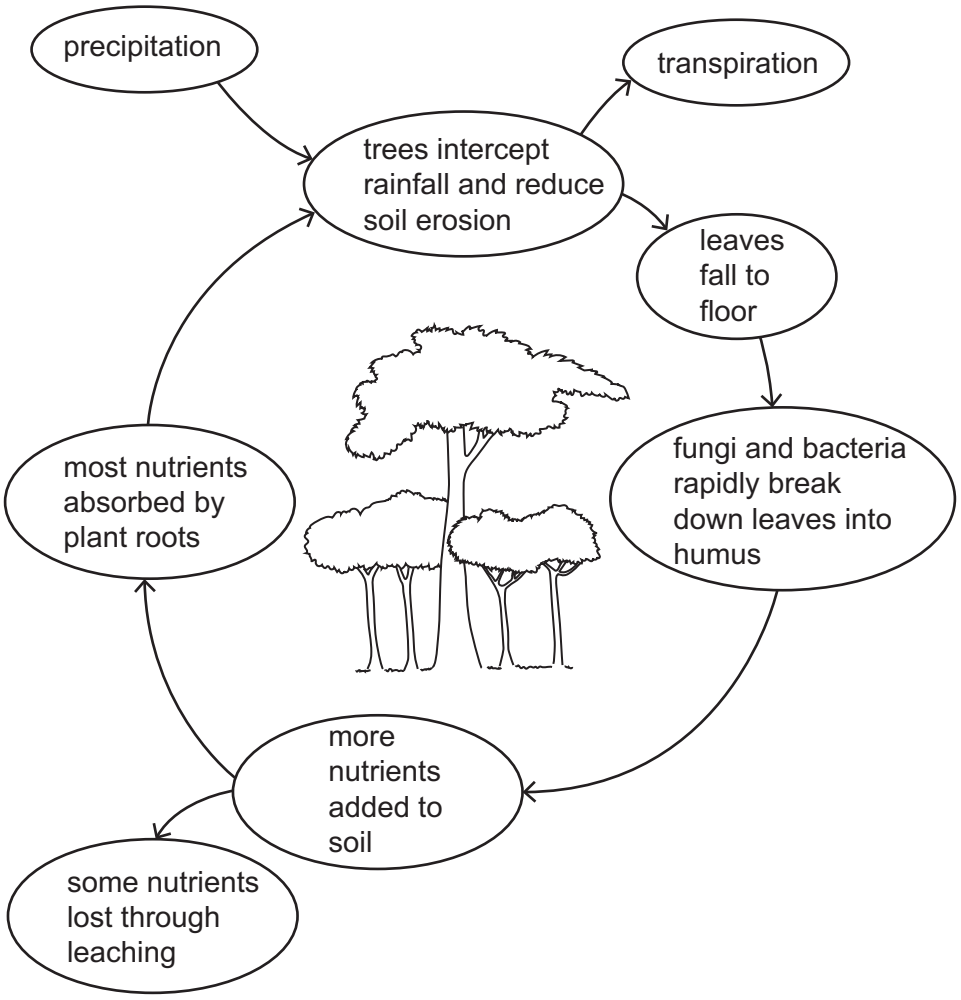


Fig. 5.1

(a) Fig. 5.1 shows various processes which take place in a tropical rainforest. Identify each of the following processes:

(i) rain falling

..... [1]

(ii) loss of water vapour from trees

..... [1]

(iii) loss of nutrients from the soil.

..... [1]

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(b) Using Fig. 5.1, identify **two** reasons why soil becomes more infertile when trees are removed due to deforestation.

1 .....

.....

2 .....

..... [2]

(c) Suggest reasons why some **local** people are for deforestation and other **local** people are against it.

For .....

.....

.....

.....

Against .....

.....

.....

..... [3]

[Total: 8]

6 Fig. 6.1 (Insert) shows a power station generating electricity in Germany.

(a) Name **one** fossil fuel that is used in power stations.

..... [1]

(b) Using Fig. 6.1, describe the power station and its location. Refer to buildings and location.

buildings .....

.....

.....

location .....

.....

..... [3]

(c) Using evidence from Fig. 6.1, explain the reasons for the location of the power station.

.....

.....

.....

..... [2]

(d) Using evidence from Fig. 6.1, suggest **two** problems that the power station might cause for the **local** natural environment.

1 .....

.....

2 .....

..... [2]

[Total: 8]

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Additional Pages

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

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