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Cambridge Assessment International Education

# Cambridge IGCSE™

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*4587586069*

**GEOGRAPHY** **0460/22**

Paper 2 Geographical Skills **May/June 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 **20** pages. Any blank pages are indicated.

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**[Turn over**

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

**(a)** Fig. 1.1 shows some of the features near Cité du Runell in the north of the map extract. Study Fig. 1.1 and the map extract, and answer the questions below.

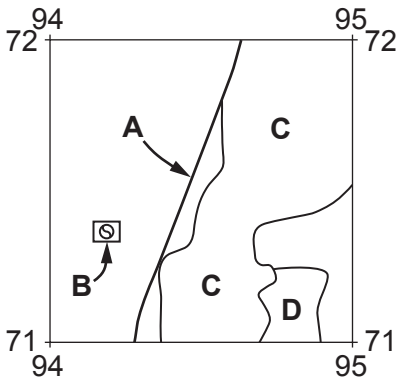


**Fig. 1.1**

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

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

..... [1]

**(ii)** the leisure activity at **B**

..... [1]

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

..... [1]

**(iv)** the land use at **D**.

..... [1]

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**(b)** The central point of the main settlement at Carnac is at 940700. Identify **three** services provided for tourists within 1 km of the centre of Carnac.

1 .....

2 .....

3 ..... [3]

**(c)** Fig. 1.2 shows an area in the south west of the map at St-Colomban. Fig. 1.3 shows an area in the north east of the map near Kermario. Study the two areas and answer the questions below.

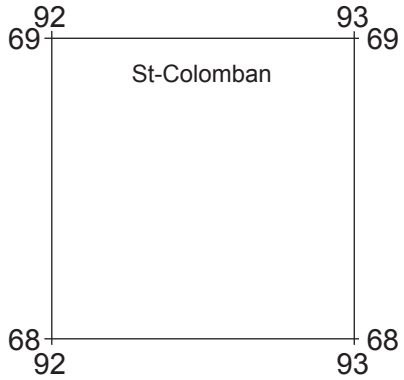


**Fig. 1.2**

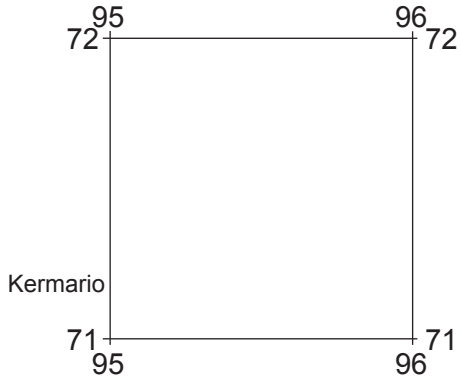


**Fig. 1.3**

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

| feature | area in Fig. 1.2 at St-Colomban | area in Fig. 1.3 near Kermario | both these areas | neither of these areas |
|---|---|---|---|---|
| a dam | | | | |
| land over 25 m above sea level | | | | |
| a bathing place | | | | |
| a railway | | | | |

[4]

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**(d)** Look at the part of the straight D781 road that runs between the settlements at Plouharnel and Carnac.

**(i)** What is the distance along the straight part of the road? Tick (✓) **one** box below.

| | **tick** (✓) |
|---|---|
| 287 metres | |
| 387 metres | |
| 2875 metres | |
| 3875 metres | |

[1]

**(ii)** What is the compass direction along the road **from** Plouharnel **to** Carnac?

..... [1]

**(iii)** Measure the bearing along the road **from** Plouharnel **to** Carnac.

..... degrees [1]

**(iv)** Find the roundabout (circle) part way along the road at Kergouillard. Give the six-figure grid reference of this roundabout (circle).

..... [1]

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**(e)** Describe the natural features of the coast shown on the map.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [5]

[Total: 20]

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**2** Fig. 2.1 shows the population distribution of South America.

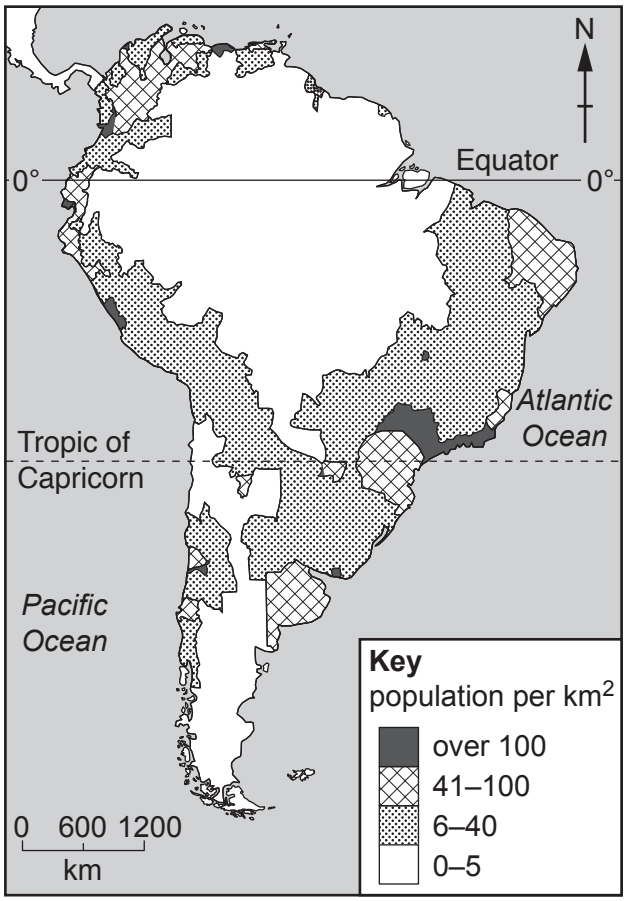


**Fig. 2.1**

**(a)** Using Fig. 2.1 **only**, describe the distribution of areas with:

**(i)** 0–5 people per $km^2$

.....

.....

.....

..... [2]

**(ii)** more than 40 people per $km^2$.

.....

.....

.....

..... [2]

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**(b)** Fig. 2.2 is a simplified relief map of South America.

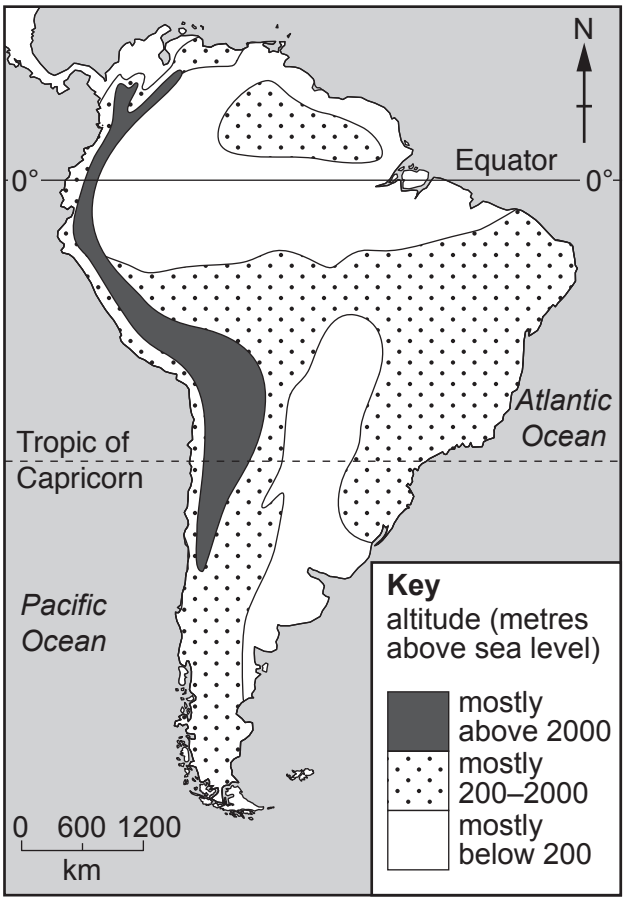


**Fig. 2.2**

**(i)** What is meant by a *relief* map?

.....

..... [1]

**(ii)** Describe the relationship between population density shown in Fig. 2.1 and relief shown in Fig. 2.2.

.....

.....

.....

..... [2]

**(c)** Using Figs. 2.1 and 2.2, suggest why there are areas of both high and low population density along the Equator.

.....

..... [1]

[Total: 8]

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**[Turn over**

**3** Table 3.1 shows the settlement hierarchy in County Tipperary, Ireland.

**Table 3.1**

| type of settlement | number of settlements | position in hierarchy |
|---|---|---|
| regional town (RT) | 1 | high |
| sub-regional town (SRT) | 2 | |
| district town (DT) | 6 | |
| service centre (SC) | 35 | |
| local service centre (LSC) | 26 | |
| small settlement (SS) | 58 | low |

**(a) (i)** Using information from Table 3.1, **plot the number of district towns** in Fig. 3.1 below.

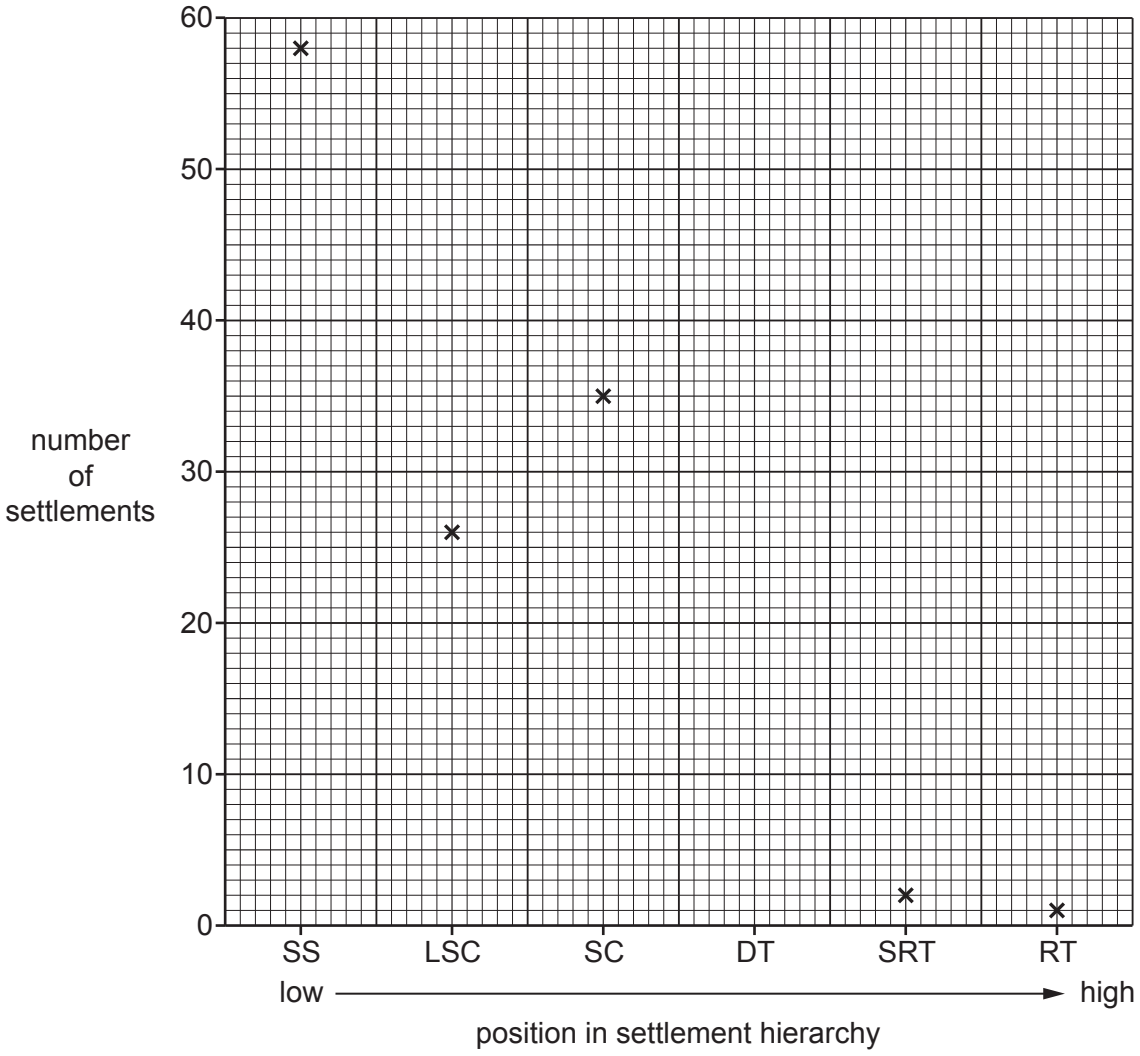


**Fig. 3.1**

[1]

**(ii)** Describe the relationship between position in the settlement hierarchy and number of settlements as shown in Table 3.1 and Fig. 3.1.

.....

..... [1]

**(iii)** What is unusual about the number of local service centres (LSCs) in Fig. 3.1?

.....

..... [1]

**(b)** Fig. 3.2 shows the locations of settlements highest in the settlement hierarchy in County Tipperary.

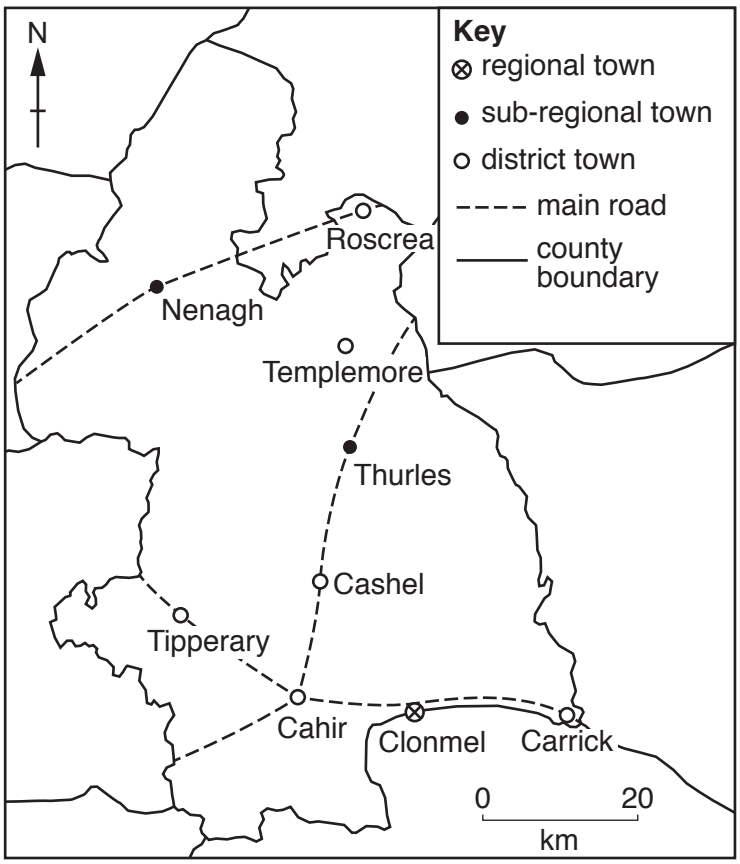


**Fig. 3.2**

Describe the distribution of settlements shown in Fig. 3.2.

.....

.....

.....

..... [2]

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**(c)** **(i)** Using evidence from Fig. 3.2, suggest why Templemore has not grown into a larger settlement.

.....

..... [1]

**(ii)** Using evidence from Fig. 3.2, suggest why Cahir has grown into an important settlement.

.....

..... [1]

**(iii)** Using evidence from Fig. 3.2, suggest a disadvantage of the location of Clonmel as the regional town (highest in the settlement hierarchy) of County Tipperary.

.....

..... [1]

[Total: 8]

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**4** Fig. 4.1 (Insert) shows a coast in Scotland.

**(a)** Fig. 4.2 shows a student's field sketch of the coast.

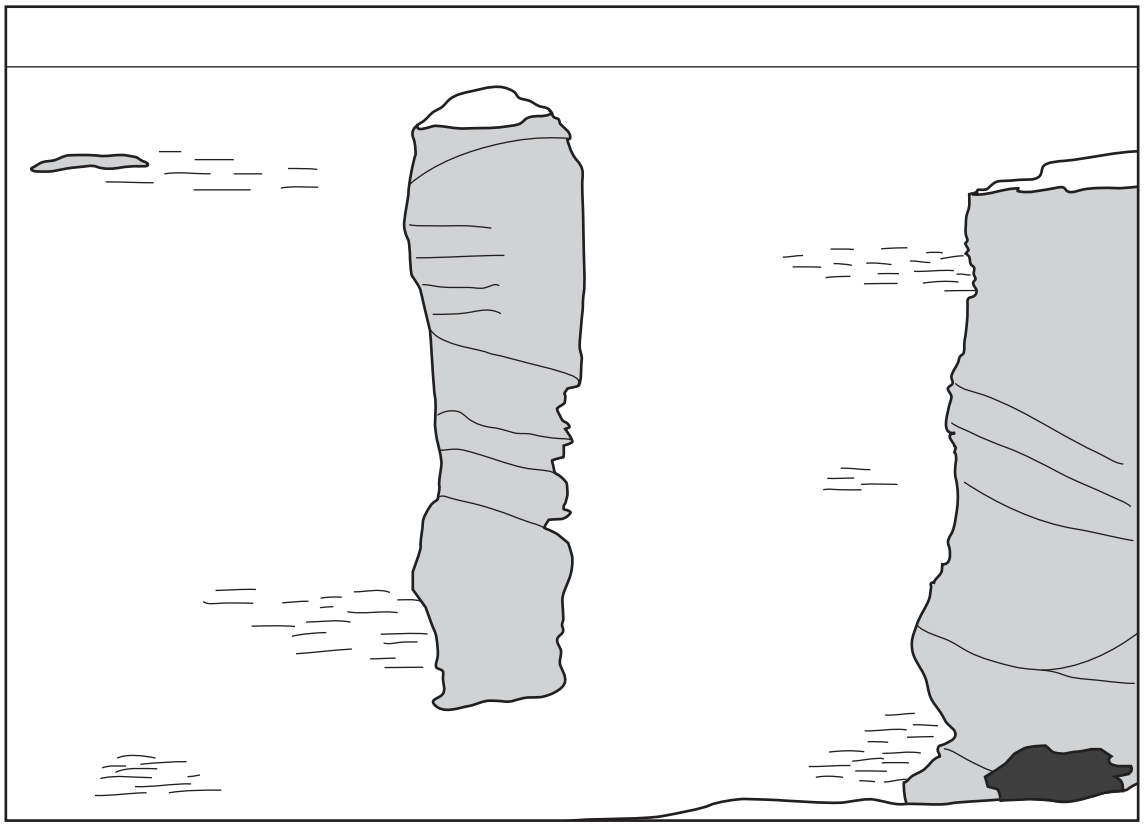

**Fig. 4.2**

Using Fig. 4.1 to help you, **add labelled arrows to Fig. 4.2** to describe the features of the coast. [6]

**(b)** Suggest how the feature in the centre of the photograph may change in the future.

.....

.....

.....

.....

.....

..... [2]

[Total: 8]

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**5** Fig. 5.1 shows the world distribution of areas of hot desert climate.

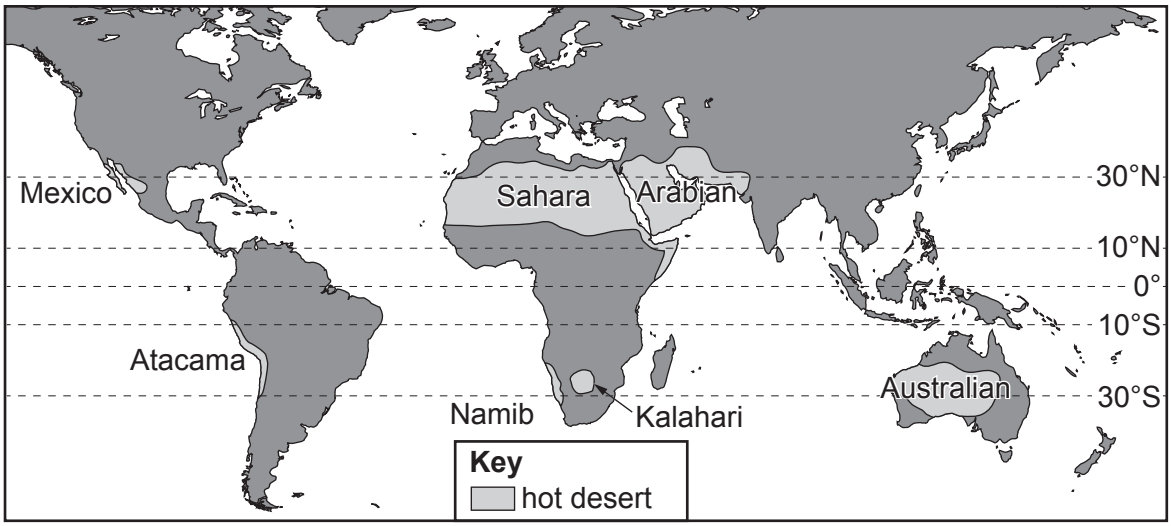


**Fig. 5.1**

**(a)** Which **two** of the following statements describe the areas of hot desert climate shown in Fig. 5.1? Tick (✓) only **two** boxes below.

| | **tick** (✓) |
|---|---|
| they are mostly between 30°N and 30°S | |
| they are on the Equator | |
| they are in every continent | |
| they are mostly on the west sides of continents | |
| they are in temperate latitudes | |
| they are within 10 degrees of the Equator | |

[2]

**(b)** Fig. 5.2 shows the climate of part of the Sahara Desert, shown in Fig. 5.1. Study Fig. 5.2 and answer the question on the opposite page.

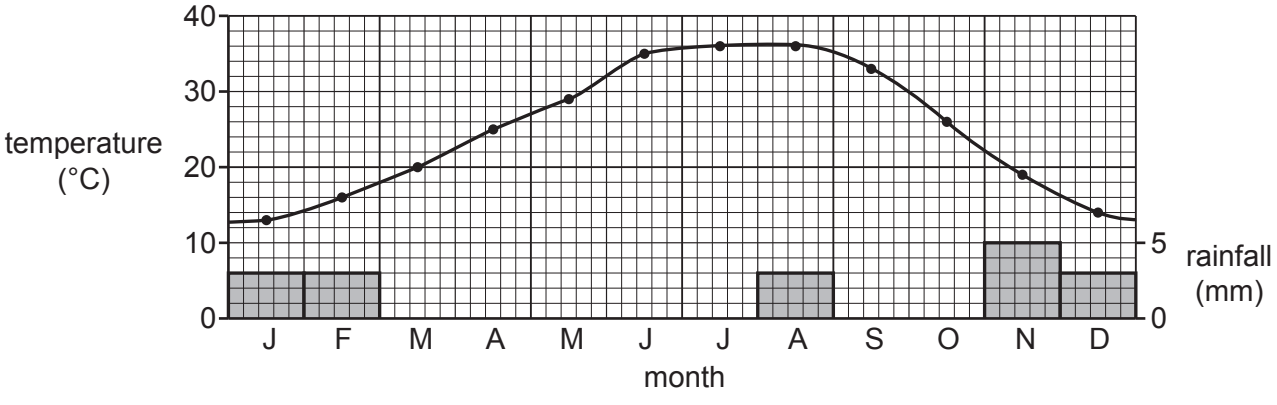


**Fig. 5.2**

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Which **three** of the following statements describe the climate of the area shown in Fig. 5.2? Tick (✓) only **three** boxes below.

| | **tick** (✓) |
|---|---|
| there is low annual rainfall | |
| rain falls throughout the year | |
| August is the driest month | |
| most rain falls in winter | |
| the hottest monthly temperature is 30°C | |
| there is a high annual range of temperature | |
| January temperatures are hot | |
| summers are cool | |
| temperatures are high throughout the year | |

[3]

**(c)** Fig. 5.3 (Insert) shows the vegetation of an area of hot desert climate.

**(i)** Describe the main features of the vegetation shown on Fig. 5.3.

.....

.....

.....

.....

..... [2]

**(ii)** Using evidence from Fig. 5.3 **only**, explain **one** way that the vegetation shown in Fig. 5.3 is adapted to the climate.

.....

.....

..... [1]

[Total: 8]

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**[Turn over**

**6** **(a)** Which **two** of the following are non-renewable fuels? Tick (✓) only **two** boxes below.

| | **tick** (✓) |
|---|---|
| geothermal | |
| oil | |
| wind | |
| biofuels | |
| solar | |
| natural gas | |
| wave power | |
| tidal power | |

[2]

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**(b)** Nuclear power divides people's opinions. Some people are for its development and other people are against it. Suggest why people are for and against nuclear power.

For

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Against

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..... [6]

[Total: 8]

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## Additional Pages

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