GradeMax

Cambridge Assessment International Education

Cambridge IGCSE™

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

9880782294

GEOGRAPHY **0460/22**

Paper 2 Geographical Skills **October/November 2020**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
1:50 000 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. Blank pages are indicated.

DC (SC/TP) 180671/6
© UCLES 2020

[Turn over

GradeMax

1 Study the map extract for Biancavilla, Italy. The scale is 1:50 000.

(a) Fig. 1.1 shows some of the features around the settlement at S. Maria di Licodia in the south east of the map extract. Study Fig. 1.1 and the map extract, and answer the questions below.

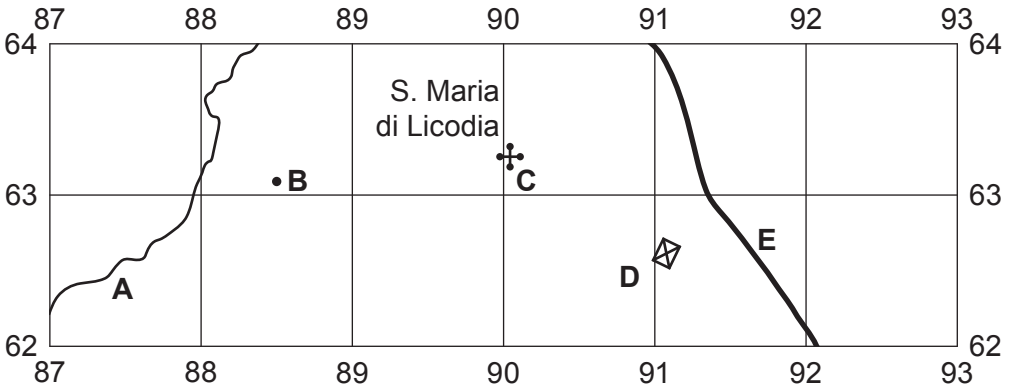


Fig. 1.1

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

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

..... [1]

(ii) the height above sea level of the spot height at **B**

..... metres [1]

(iii) feature **C**

..... [1]

(iv) feature **D**

..... [1]

(v) feature **E**.

..... [1]

© UCLES 2020

(b) Fig. 1.2 shows two areas, **P** in the south west of the map extract and **Q**, in the north east of the map extract. Study the two areas and answer the questions below.

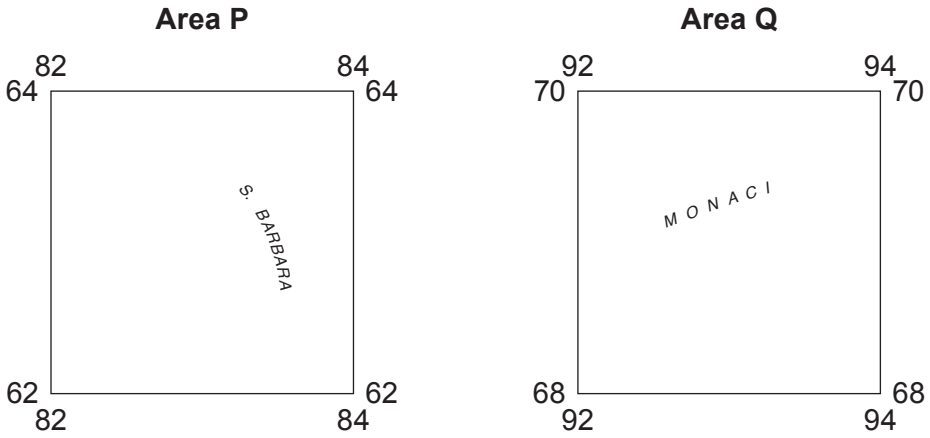


Fig. 1.2

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 **P**	Area **Q**	Both these areas	Neither of these areas
a railway				
dispersed settlement				
dense settlement				
land over 900 m above sea level				

[4]

(c) Fig. 1.3 is a cross section through the settlement of Biancavilla, from 840630 in the south west to 890670 in the north east.

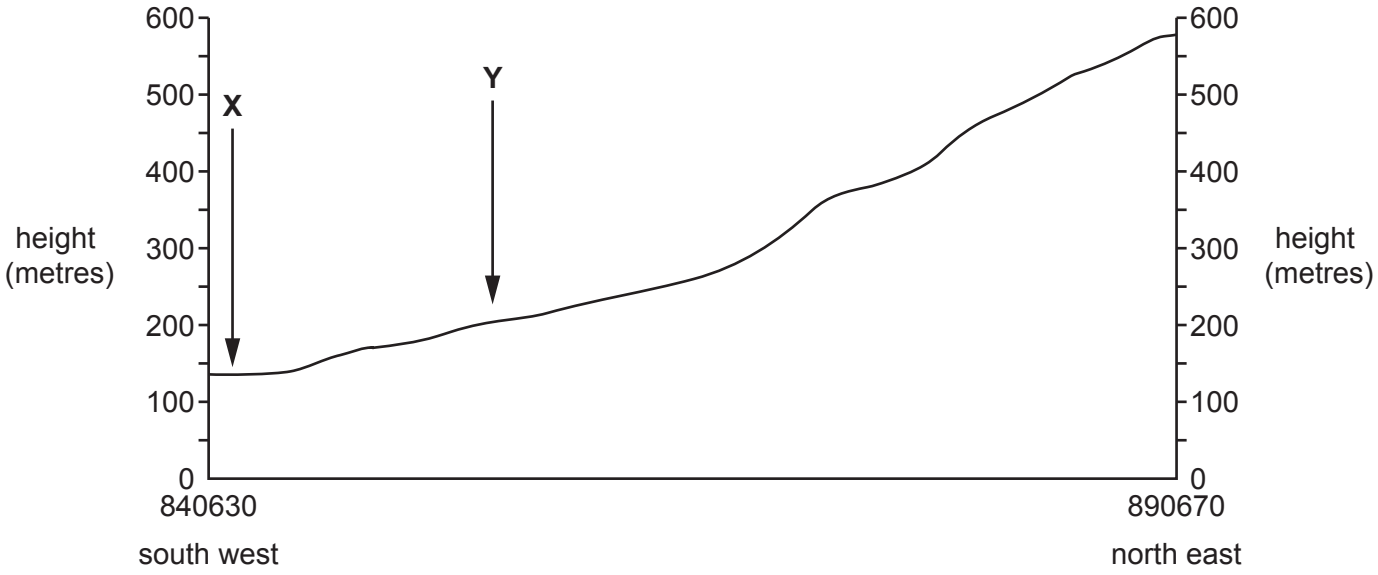


Fig. 1.3

(i) Identify feature **X**.

..... [1]

(ii) Identify feature **Y**.

..... [1]

(iii) In Fig. 1.3, use a labelled arrow to **show the position of the settlement of Biancavilla**. [1]

(d) Find the junction of national main road 121 with another national main road in the west of the map extract.

(i) What is the distance along the road, from this junction, to the south edge of the map extract?

..... metres [1]

(ii) What is the compass direction **from** the road junction, **to** where the road meets the south edge of the map?

..... [1]

(iii) Measure the compass bearing **from** the road junction, **to** where the road meets the south edge of the map.

..... degrees [1]

© UCLES 2020

(iv) What is the six-figure grid reference of the road junction? Tick (✓) **one** box below.

	Tick (✓)
822674	
676876	
824677	
674823	
827683	

[1]

(e) Describe the **natural** features of the Fiume Simeto river in the west of the map extract.

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 20]

2 Fig. 2.1 shows the population of the world in 2017 and Fig. 2.2 shows one prediction of the world population in 2050. Study Figs. 2.1 and 2.2 and answer the questions on the opposite page.

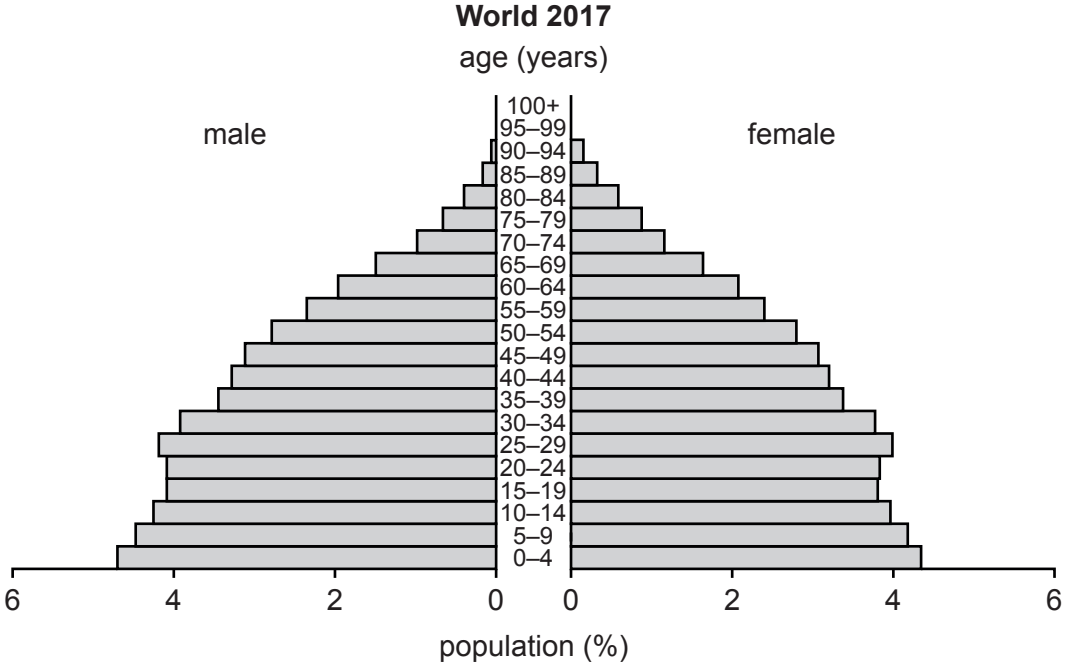


Fig. 2.1

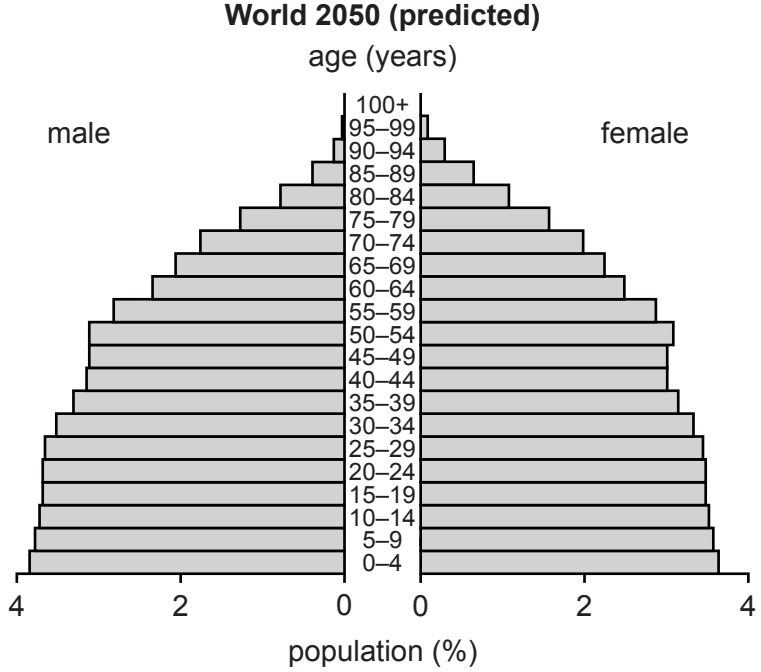


Fig. 2.2

© UCLES 2020

(a) What was the percentage of females aged 25–29 in the world in 2017?

..... % [1]

(b) Describe the predicted percentage changes in the world population in people aged:

0–49

.....

.....

50 and over.

.....

..... [2]

(c) Fig. 2.3 shows the population of the Central African Republic in 2017.

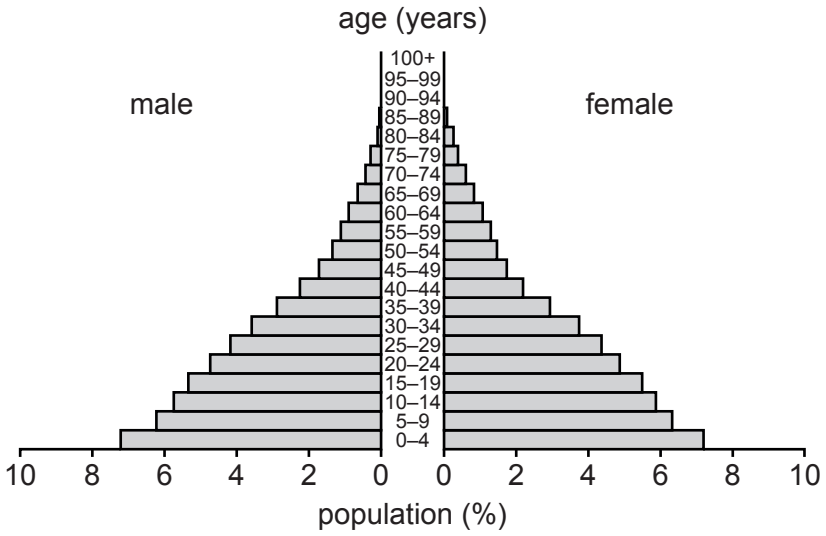


Fig. 2.3

(i) Give **three** differences between the population structure of the Central African Republic and the population structure of the world in 2017.

1 .....

.....

2 .....

.....

3 .....

..... [3]

(ii) Suggest **one** problem created by the population structure of the Central African Republic.

.....

..... [1]

(d) Table 2.1 shows the total populations of the world and the Central African Republic.

Table 2.1

	2017	2050 (predicted)
World	7 515 284 000	9 278 694 000
Central African Republic	5 098 000	8 781 000

Describe the predicted growth rate of the Central African Republic compared with the world.

.....

..... [1]

[Total: 8]

© UCLES 2020

GradeMax

3 Figs. 3.1, 3.2 and 3.3 (Insert) are photographs which show three urban land use zones.

(a) Identify each land use zone. Choose your answers from:

CBD *industrial* *residential* *rural-urban fringe* *squatter settlement*

Fig. 3.1 .....

Fig. 3.2 .....

Fig. 3.3 .....

[3]

(b) Describe the features of the land use zone shown in Fig. 3.2.

.....

.....

.....

.....

.....

.....

..... [3]

(c) Suggest a reason for the growth of the settlement shown in Fig. 3.3. Support your answer with evidence from the photograph.

.....

.....

.....

.....

..... [2]

[Total: 8]

© UCLES 2020

[Turn over

4 Fig. 4.1 (Insert) is a photograph which shows a coastal area visited by a group of geography students on a field trip. Fig. 4.2 is a field sketch of the same area made by one of the students.

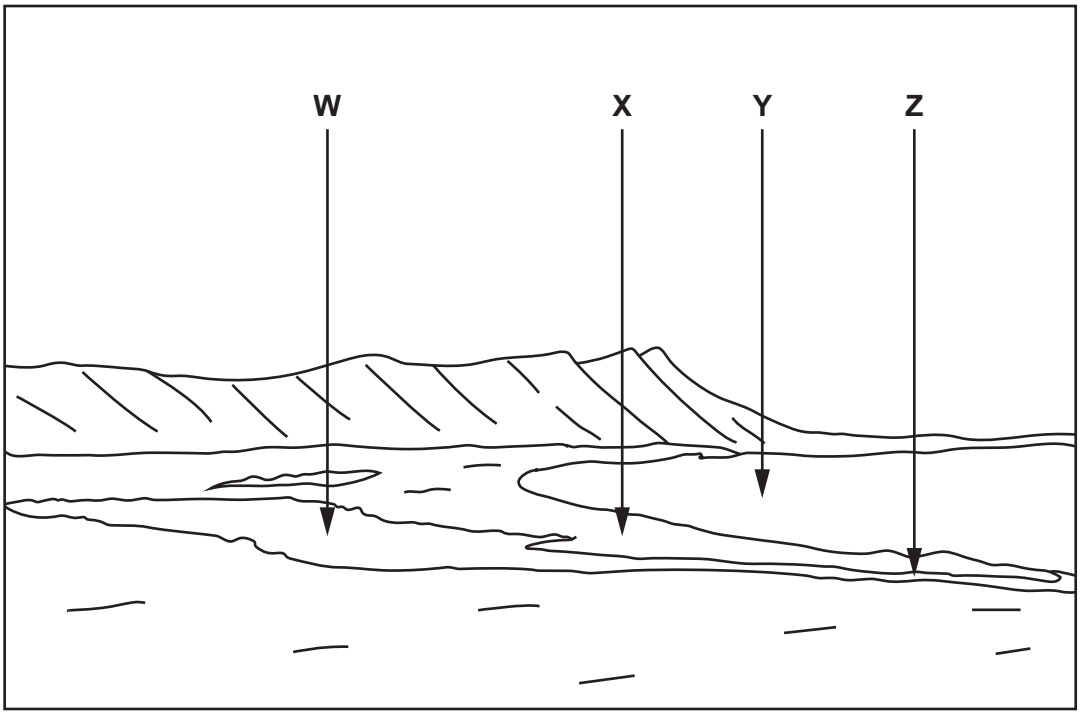


Fig. 4.2

(a) Using Fig. 4.1, identify features **W**, **X**, **Y** and **Z** shown on the field sketch. Choose your answers from:

bay *lagoon (lake)* *river* *spit* *wave-cut platform*

W .....

X .....

Y .....

Z .....

[4]

© UCLES 2020

GradeMax

(b) Explain how a spit is formed.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]

5 Fig. 5.1 shows the drainage basin of the Nile River and its tributaries. The Renaissance Dam, shown in Fig. 5.1, on the Blue Nile River in Ethiopia has been under construction since 2011. When completed it will be the largest HEP plant in Africa and the seventh largest in the world.

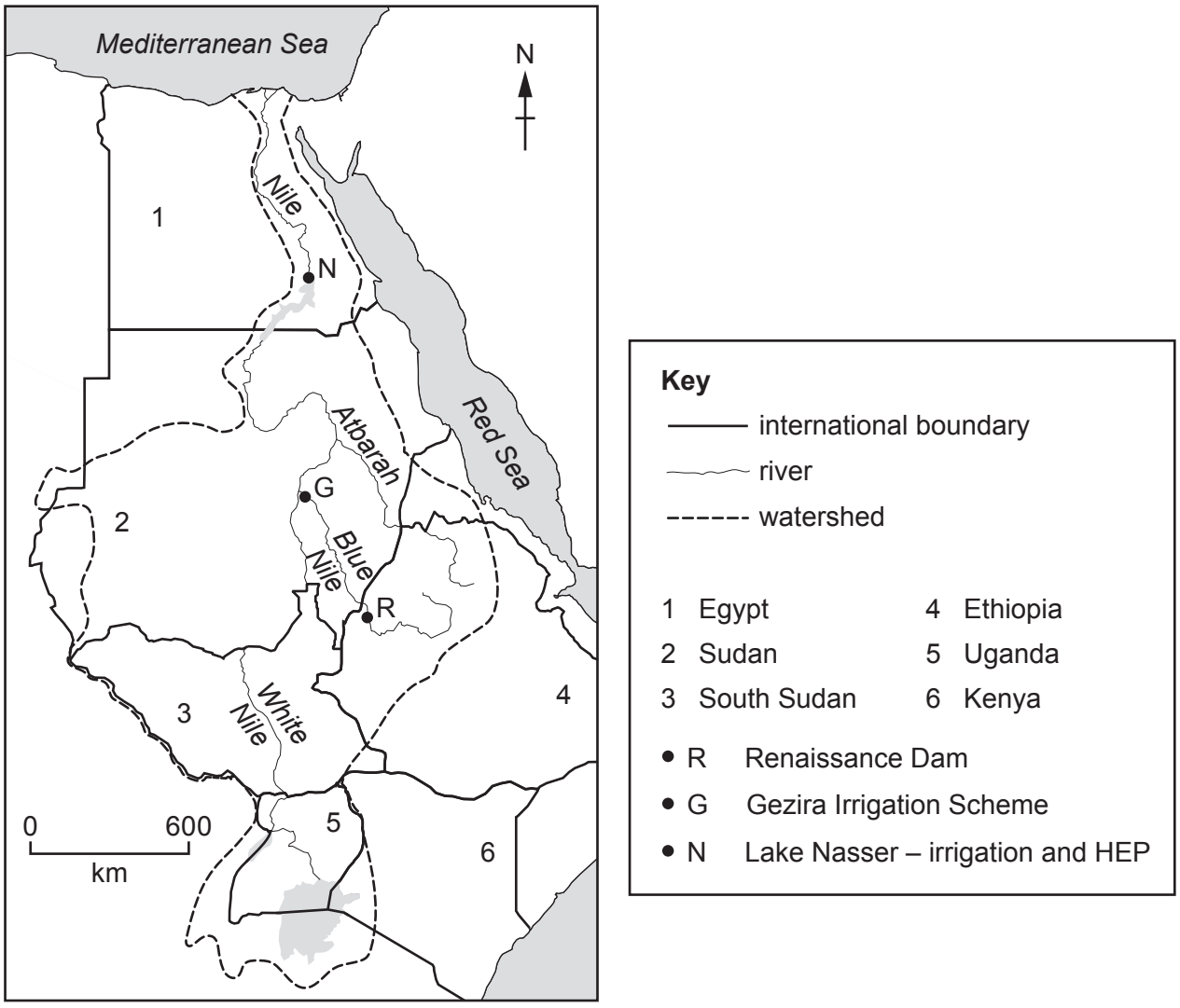


Fig. 5.1

(a) What is meant by the following terms?

drainage basin

.....

.....

HEP

.....

.....

[2]

(b) Table 5.1 gives information about the three main tributaries of the Nile, shown on Fig. 5.1.

Table 5.1

Tributary	Discharge (m^3/s)
Atbarah	Average 375 Dries up from January to June
Blue Nile	Average 1548 June – September average 5665 April average 555
White Nile	Average 878 Little variation in flow

(i) Using Table 5.1, explain why the Blue Nile gives a better water supply than the other two tributaries.

.....

.....

.....

..... [2]

(ii) Using information from Table 5.1, give a reason why a dam was built on the Blue Nile.

.....

..... [1]

(c) **(i)** Which **two** countries shown on Fig. 5.1 were most worried about the building of the Renaissance Dam?

1 .....

2 .....

[1]

(ii) Give reasons for your answer to **(c)(i)**.

.....

.....

.....

..... [2]

[Total: 8]

© UCLES 2020

GradeMax

6 The island of Mauritius in the Indian Ocean has an important tourist industry. Table 6.1 shows the ten places with the most visitors to Mauritius in six months in 2016.

Table 6.1

	Place	Number of visitors
1	France	141 814
2	Reunion	75 357
3	United Kingdom	58 766
4	Germany	47 713
5	South Africa	46 687
6	India	43 239
7	China	38 935
8	Switzerland	15 866
9	Italy	15 629
10	Russia	5983

(a) What type of graph would be best to use to show the information in Table 6.1?

..... [1]

© UCLES 2020

GradeMax

(b) Fig. 6.1 shows the location of Mauritius and the places named in Table 6.1.

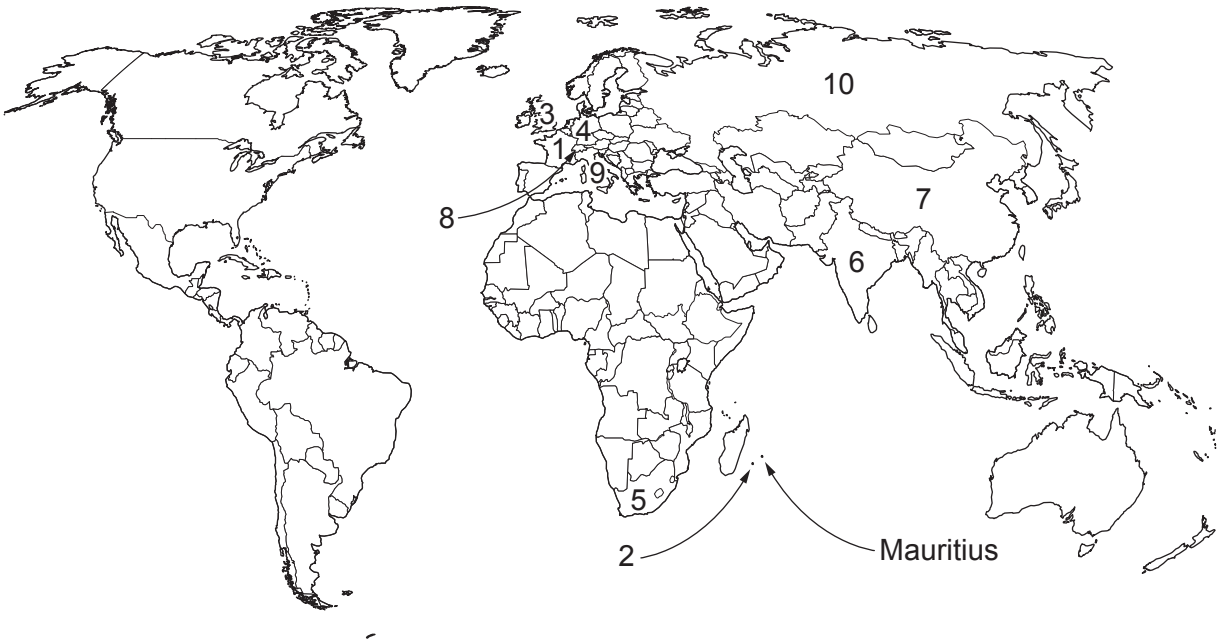


Fig. 6.1

Using Table 6.1 and Fig. 6.1, describe the distribution of the places with more than 45 000 visitors to Mauritius.

.....

.....

.....

..... [2]

(c) Fig. 6.2 shows the average monthly temperatures for a place in Mauritius and a place in France, the country with most visitors to Mauritius.

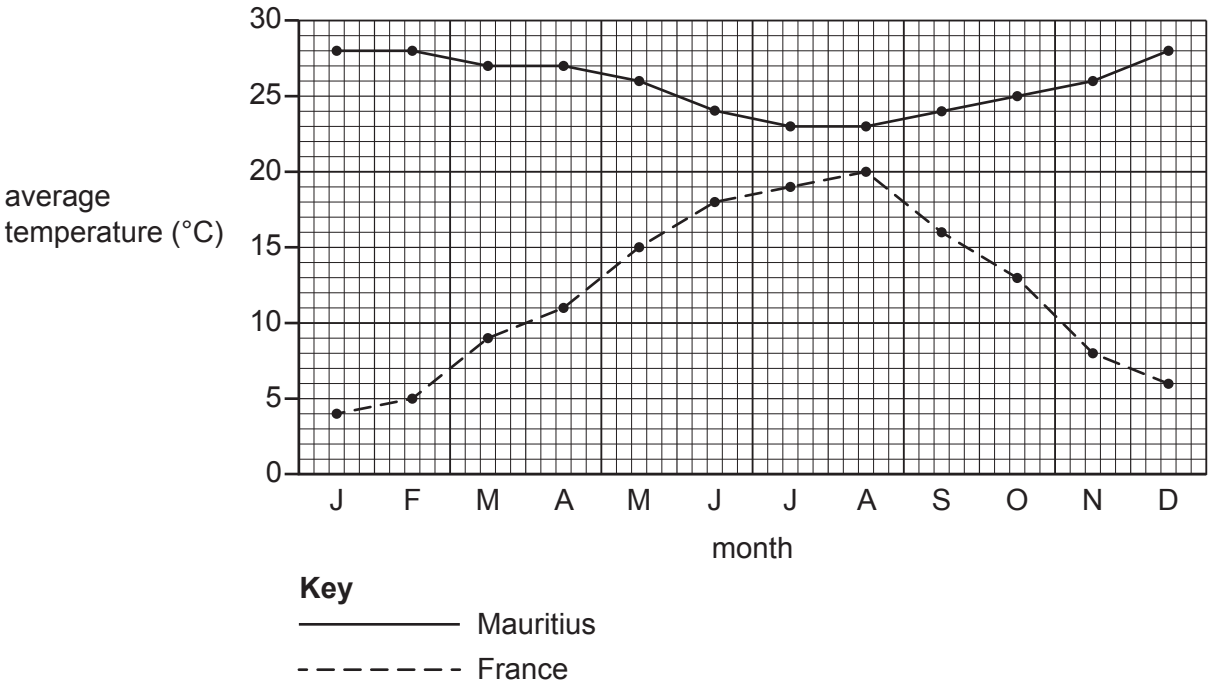


Fig. 6.2

(i) Using Fig. 6.2, suggest why tourists visit Mauritius all year.

.....

..... [1]

(ii) Using evidence from Figs. 6.1 and 6.2 **only**, suggest why Mauritius is a popular destination for tourists from the countries listed in Table 6.1.

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

[Total: 8]

© UCLES 2020

GradeMax

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.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

GradeMax

© UCLES 2020

GradeMax

BLANK PAGE

© UCLES 2020

GradeMax

BLANK PAGE

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge Assessment International Education Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cambridgeinternational.org after the live examination series.

Cambridge Assessment International Education is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of the University of Cambridge Local Examinations Syndicate (UCLES), which itself is a department of the University of Cambridge.

© UCLES 2020