



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

CANDIDATE
NAME

CENTRE
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GEOGRAPHY

0460/12

Paper 1

May/June 2011

1 hour 45 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided.

Write in dark blue or black pen.

You may use a soft pencil for any diagrams, graphs or rough working.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Write your answer to each question in the space provided. If additional space is required, you should use the lined page at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions.

Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

The Insert contains Photographs A and B for Question 3 and Photograph C for Question 4.

The Insert is **not** required by the Examiner.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **24** printed pages and **1** Insert.



QUESTION 1

(a) Study Fig. 1, which shows four different types of migrant.

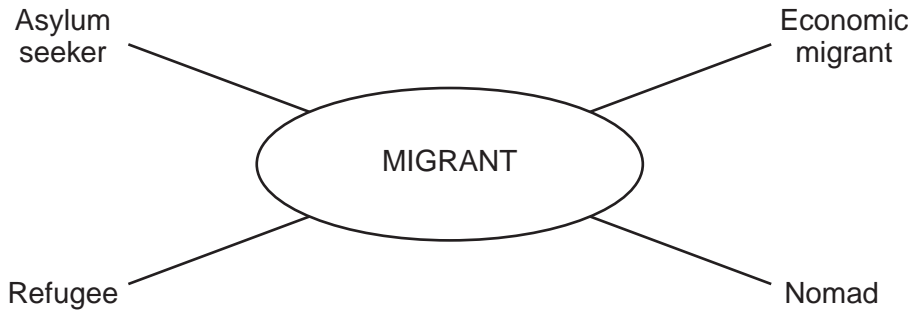


Fig. 1

(i) What is meant by *migrant*?

.....[1]

(ii) Identify the **two** examples of migrants from Fig. 1 which are most likely to be the result of forced migration.

1

2[2]

(iii) Give **three** different push factors which may result in forced migration.

1

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2

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.....[3]

(iv) Explain why many **international** migrants experience difficulties when they reach a new destination.

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.....[4]

(b) Study Fig. 2, which shows information about migration in an LEDC.

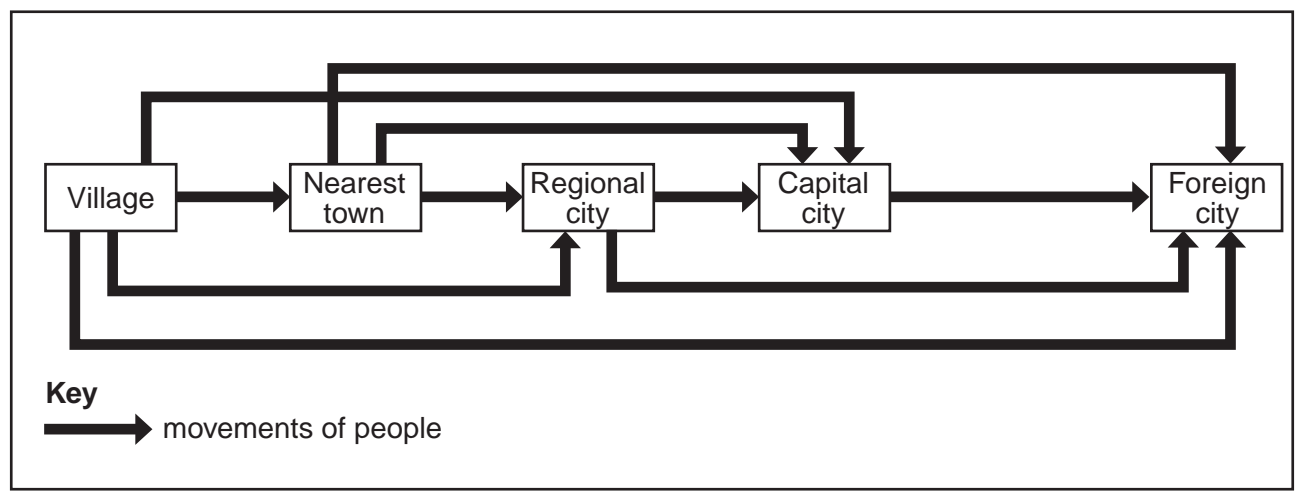


Fig. 2

- (i) Identify an example of each of the following three types of migration from Fig. 2.
 - A Rural to urban migration.....
 - B Urban to urban migration.....
 - C International migration.....[3]

- (ii) Choose **one** example of a migration shown on Fig. 2. Explain why people migrate and the types of place you have chosen.

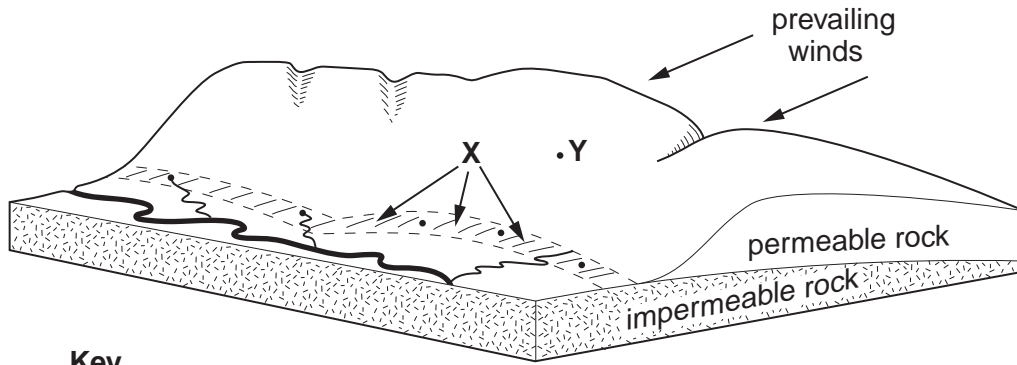
Example of migration.....
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.....[5]

- (c) For a named country which you have studied, describe the problems caused by overpopulation.

Name of country
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.....[7]

QUESTION 2

(a) Study Fig. 3, which shows an area of rural settlement in an MEDC.



Key




-  river
-  stream
-  settlement

Fig. 3

(i) What is meant by the term *rural settlement*?

.....
[1]

(ii) Give **one** advantage and **one** disadvantage of the site of settlement Y on Fig. 3.

Advantage

.....

.....

Disadvantage

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.....[2]

(iii) Suggest reasons why most settlements are in the area marked X on Fig. 3.

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.....[3]

(b) Study Fig 4, which shows the percentage of the population living in rural and urban areas of Lesotho and Niger (LEDCs in Africa).

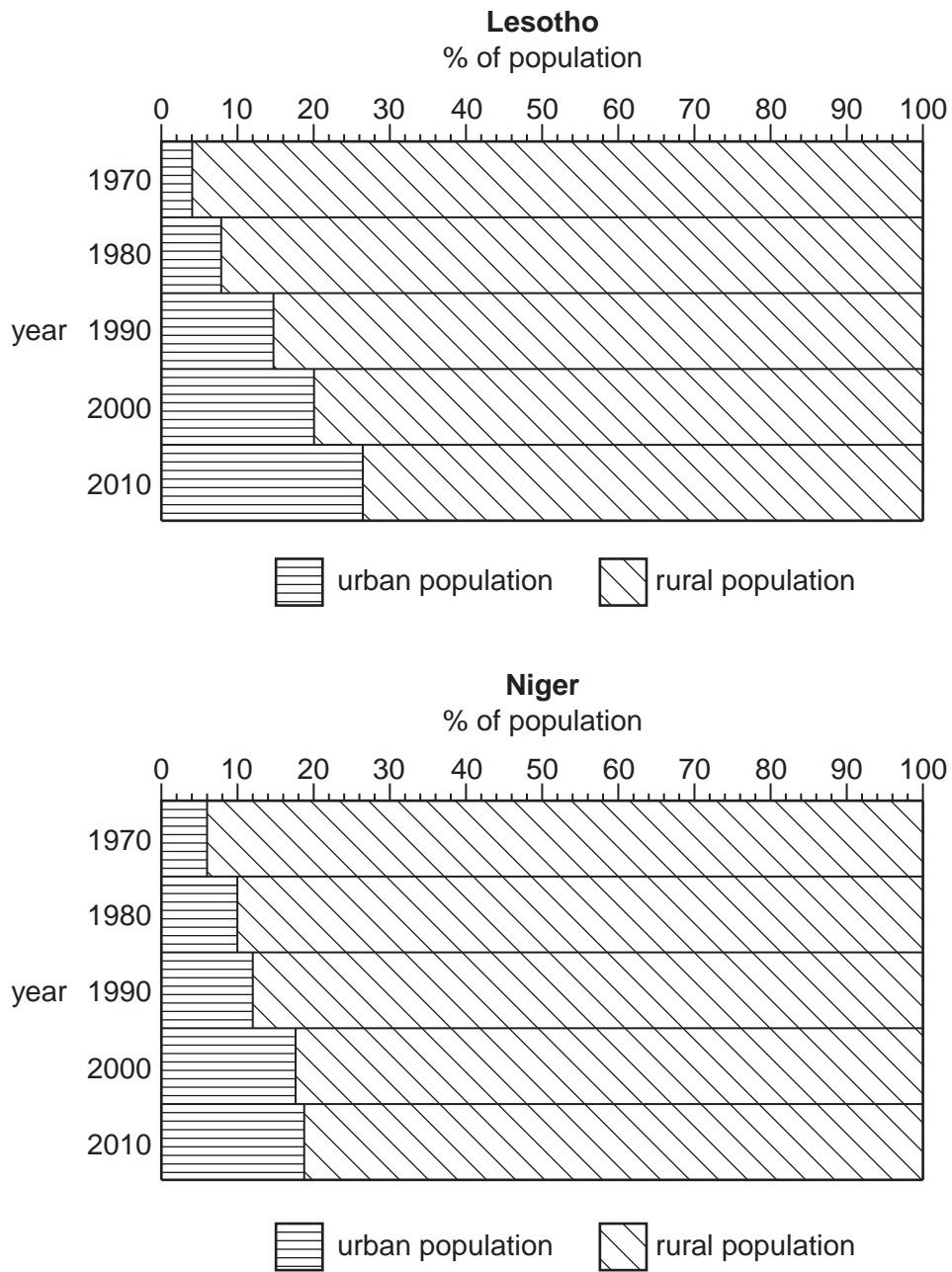


Fig. 4

(i) Describe the differences in the growth of the urban populations between Lesotho and Niger. Refer to figures and years in your answer.

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.....[3]

(ii) Suggest how urban growth may have created problems for people in Maseru, a city of Lesotho.

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[4]

(iii) Describe the effects of rapid urban growth on the natural environment.

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[5]

3 (a) Study Fig. 5, a table of data collected at a school weather station.

Day	Maximum temperature (degrees C)	Minimum temperature (degrees C)	Precipitation (mm)	Air pressure (mb)	Wind direction
Monday	18	11	2.1	992	SW
Tuesday	16	10	1.4	996	SW
Wednesday	11	8	0.9	1004	W
Thursday	13	8	0	1012	NE
Friday	12	7	0	1018	NE
Saturday	10	6	0	1020	NE
Sunday	10	5	0.2	1014	N

Fig. 5

(i) Which day had the lowest range of temperature? [1]

(ii) State the general relationship shown by the data in Fig. 5 between:

A air pressure and precipitation

.....
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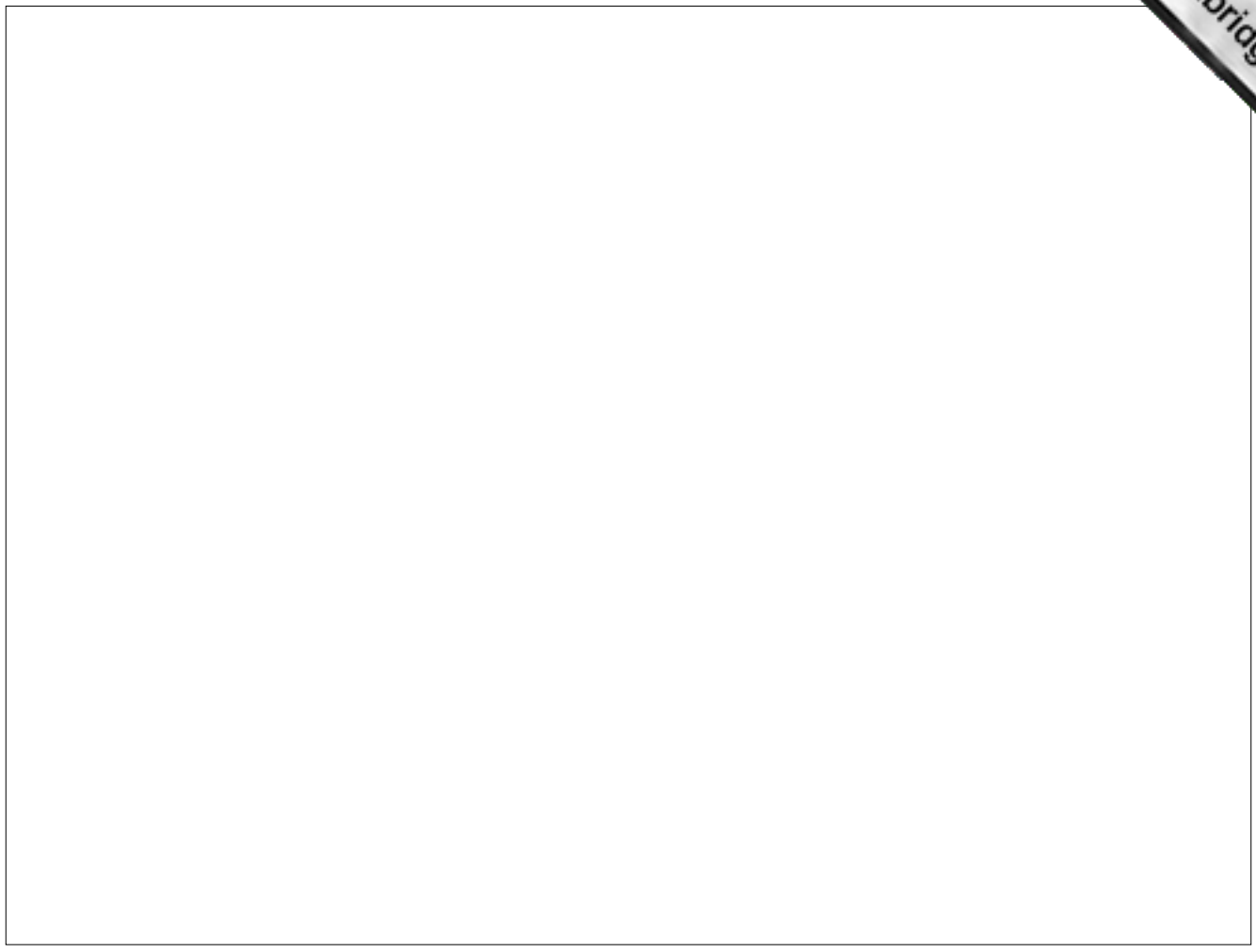
B wind direction and temperature.

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..... [2]

(iii) Name the weather instruments which were used to collect the data in Fig. 5 on precipitation, air pressure and wind direction.

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..... [3]

(iv) Draw a labelled diagram to show the main features of a maximum–minimum thermometer.



[4]

(b) Study Photographs A and B (Insert), which show different types of clouds.

(i) Describe **three** differences between the clouds shown in Photographs A and B.

- 1
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- 2
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- 3
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[3]

(ii) Explain why very few clouds form in tropical deserts.

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.....[5]

(c) For a named area of tropical rainforest which you have studied, describe and explain the characteristics of its climate.

Area of rainforest

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.....[7]

[Total: 25 marks]

4 (a) Study Fig. 6, which shows major plates and zones of tectonic activity.

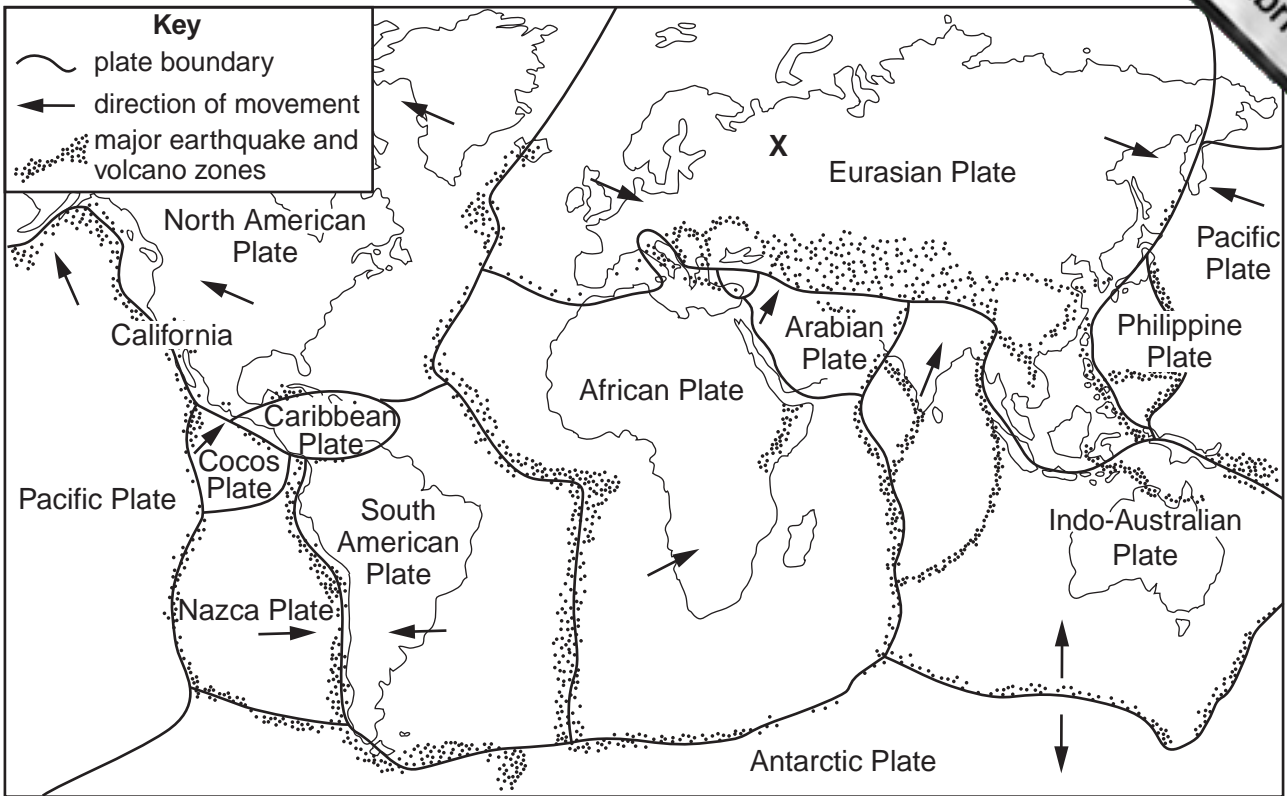


Fig. 6

(i) What is meant by *plate boundary*?

.....[1]

(ii) What type of plate boundary is formed when:

A plates move towards each other;

.....

B plates move away from each other?

.....[2]

(iii) Explain why there are no active volcanoes in the area marked **X** on Fig. 6.

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.....[3]

(iv) California, labelled on Fig. 6, is on a conservative plate boundary. Explain why occur there. You may use labelled diagrams in your answer.

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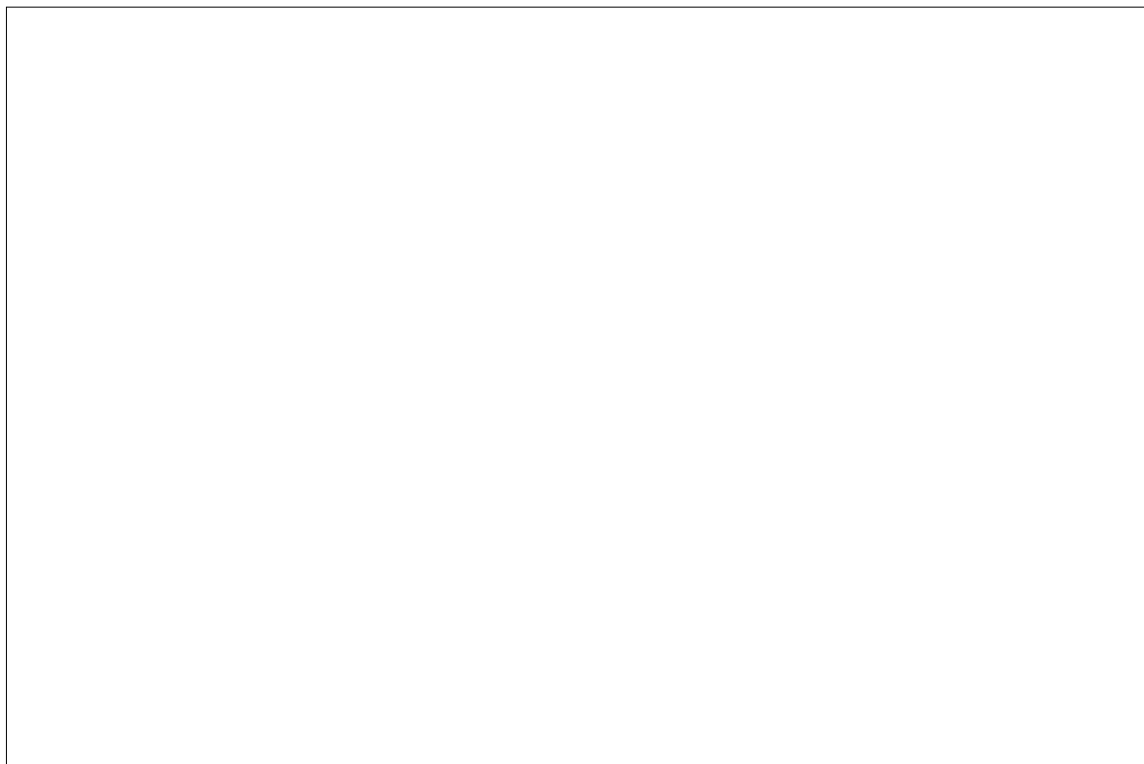
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[4]

(b) Study Photograph C (Insert), which shows part of an active volcano in Indonesia.

(i) Describe **three** features of the landscape shown in Photograph C.

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[3]

5 (a) Study Figs. 7A and 7B, which show a subsistence farm and a commercial farm.

A subsistence farm

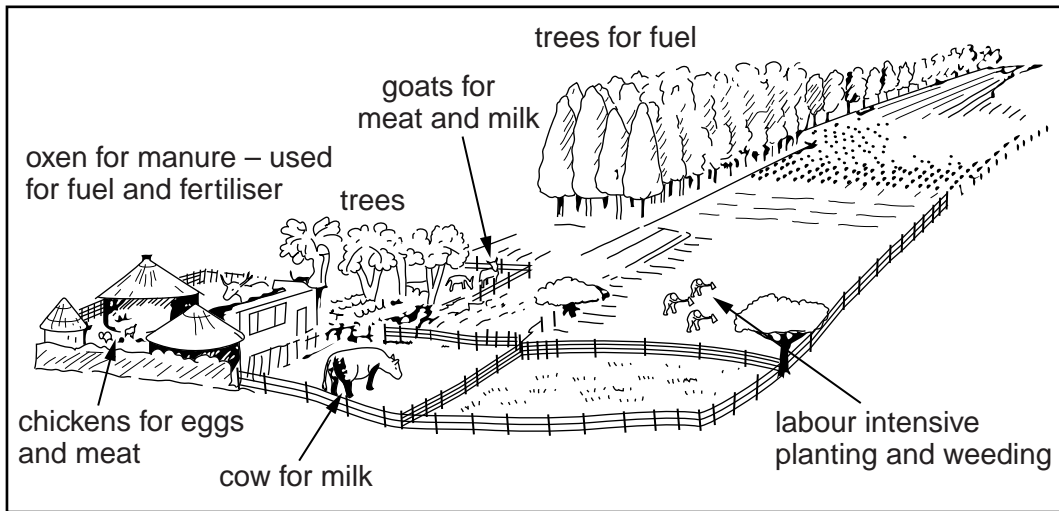


Fig. 7A

A commercial farm

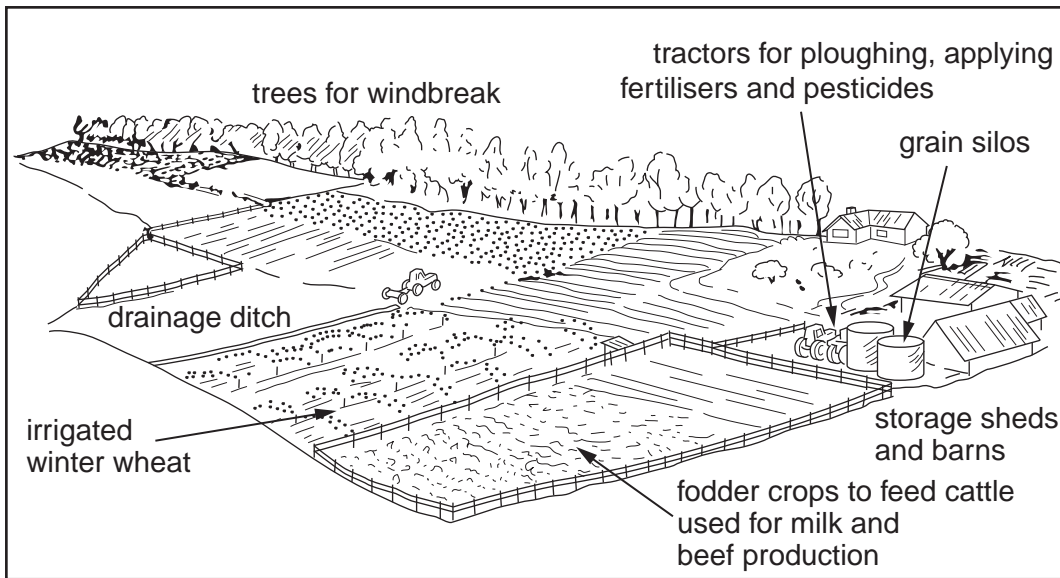


Fig. 7B

(i) What is the difference between subsistence and commercial farming?

.....
.....[1]

(ii) What is meant by:

A irrigated,

.....
.....

B labour intensive farming?

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.....[2]

(iii) Identify an input, a process and an output of the commercial farm shown in Fig. 7B.

input
.....

process.....
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output
.....[3]

(iv) Explain how the climate of an area influences the ways in which a farmer uses the land.

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- (c) For a named area or country which you have studied which suffers from famine, there is a shortage of food.

Name of area or country

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[Total: 25 marks]

END OF QUESTION 5

6 (a) Study Figs. 9A and 9B, which show information about the island of Majorca, a tourist island which is part of Spain (an MEDC).

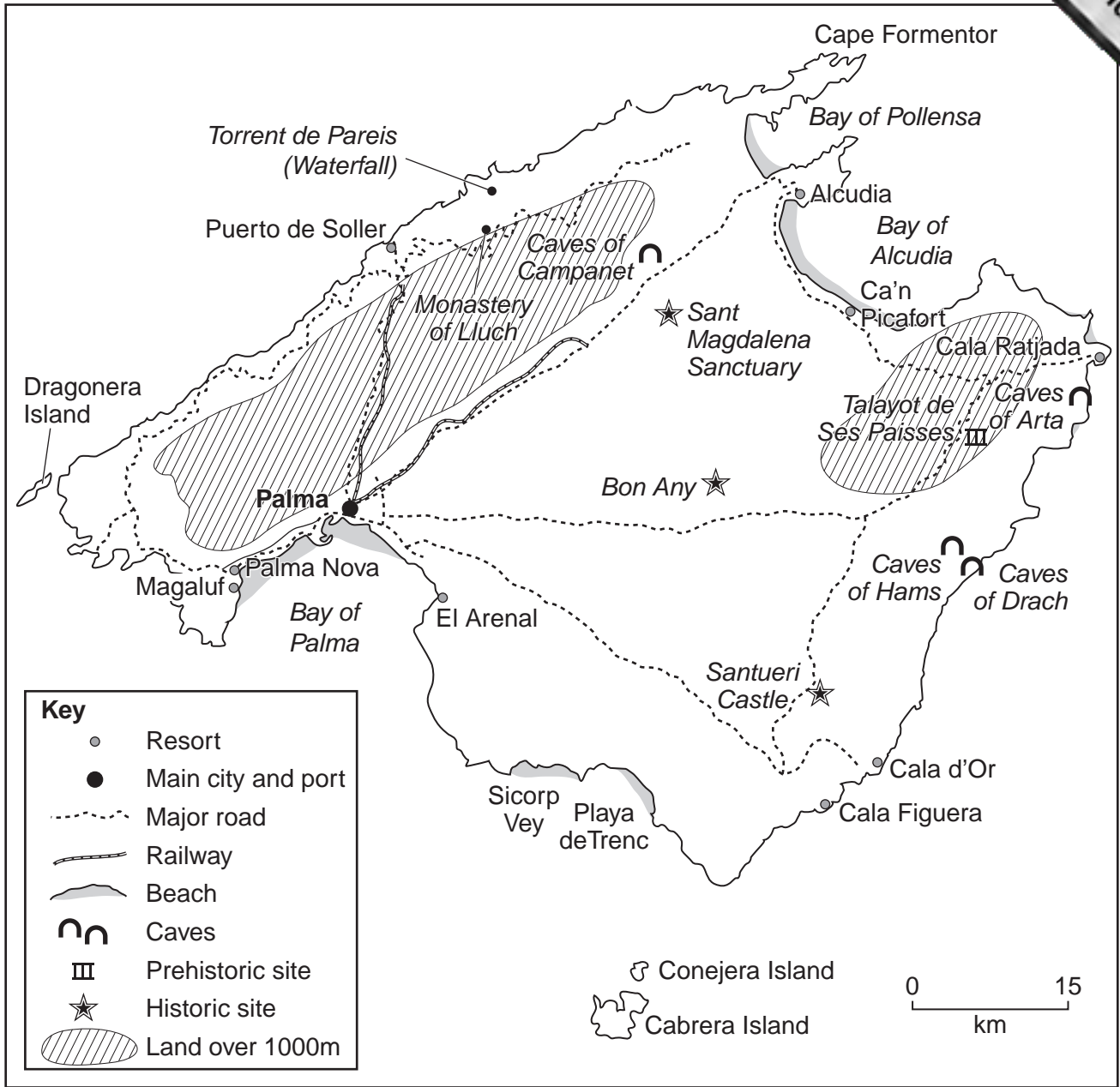


Fig. 9A

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average temperature (degrees C)	11	11	12	14	17	21	25	25	23	19	15	12
Average daily sunlight (hours)	4.6	5.2	5.8	7.1	8.6	9.3	10.6	9.5	7.4	6.2	4.5	4.3
Average rainfall (mm)	76	62	67	74	45	19	15	38	74	115	109	87

Fig. 9B

(i) Using Fig. 9A only, name a tourist resort in Majorca.

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(ii) Use evidence from Fig. 9A to name:

A a natural attraction in Majorca,

.....

B a human attraction in Majorca.

.....[2]

(iii) Use evidence from Fig. 9B to explain why most tourists are attracted to Majorca between June and August.

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.....[3]

(b) Study Fig.10, which shows information about the Great Barrier Reef, a major tourist attraction in Australia.

URGENT ACTION NEEDED TO SAVE GREAT BARRIER REEF

Human activity is threatening one of Australia's great natural wonders. Each year tourists provide income of over £500 million. There will be no new coral by 2030. Without the coral reef there will be no demand from tourists for diving and boat trips. Less people will visit Queensland. Damage to the environment will also affect the economy.

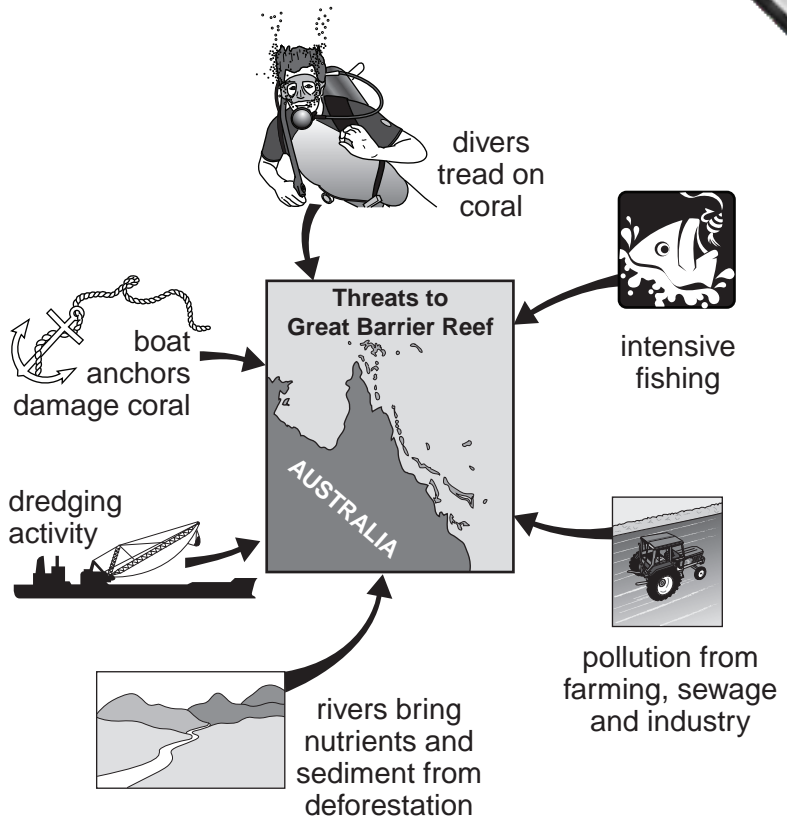


Fig. 10

(i) Explain why a coral reef is a major tourist attraction.

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