GradeMax

Cambridge IGCSE

Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

CANDIDATE NAME

CENTRE NUMBER | | | | | |

CANDIDATE NUMBER | | | | |

9064334199

GEOGRAPHY **0460/12**

Paper 1 **October/November 2015**

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
Calculator

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 an HB pencil for any diagrams or graphs.
Do not use staples, paper clips, 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 pages at the end of this booklet. The question number(s) must be clearly shown.

Answer **three** questions.

The Insert contains Photograph A for Question 2, Photograph B for Question 4, Photographs C, D and E for Question 5 and Figs 8A and 8B for Question 5, and Fig. 10 for Question 6.
The Insert is **not** required by the Examiner.
Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

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.

The syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

This document consists of **25** printed pages, **3** blank pages and **1** Insert.

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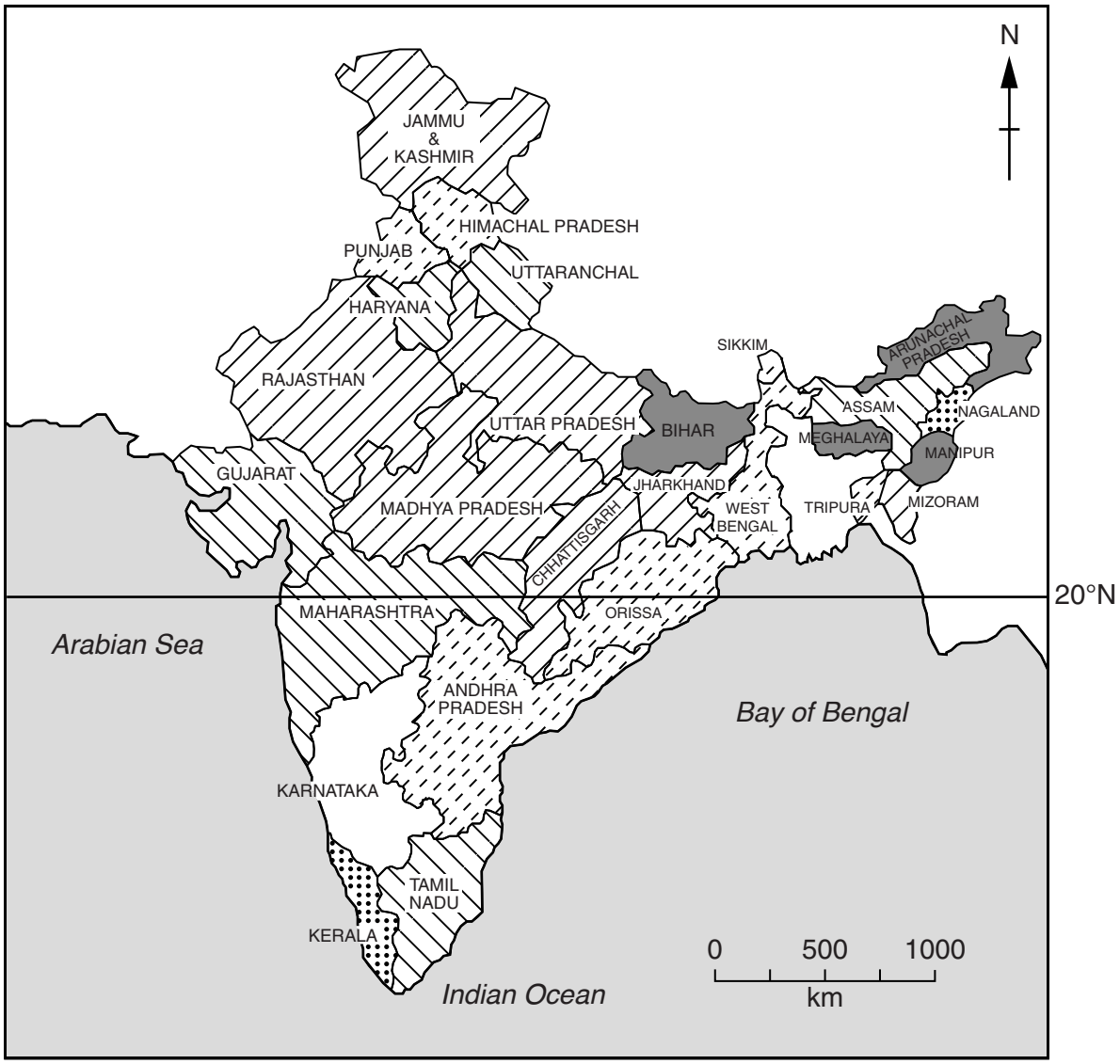
CAMBRIDGE International Examinations

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QUESTION 1

1 (a) Study Fig. 1, which shows information about population growth in India.



Key

population growth rate (per 1000)

- over 25
- 20.1 to 25
- 15.1 to 20
- 10 to 15
- 10 and below

Fig. 1

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(i) Complete Fig. 1 by shading Karnataka using the key provided.
Karnataka has a population growth rate of 15.6 per 1000. [1]

(ii) The following data is for Orissa:

Birth rate	21 per 1000
Death rate	8.8 per 1000
Net migration	2 per 1000
Population growth rate	14.2 per 1000

Explain how the population growth rate of 14.2 per 1000 for Orissa has been calculated.

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.....[2]

(iii) Using information from Fig. 1, describe the differences in population growth rates in India to the north and south of the 20°N line of latitude.

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.....[3]

(iv) Suggest reasons why some parts of India have positive net migration but others have negative net migration.

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(b) Study Fig. 2, which shows birth and death rates in India between 1951 and 2011.

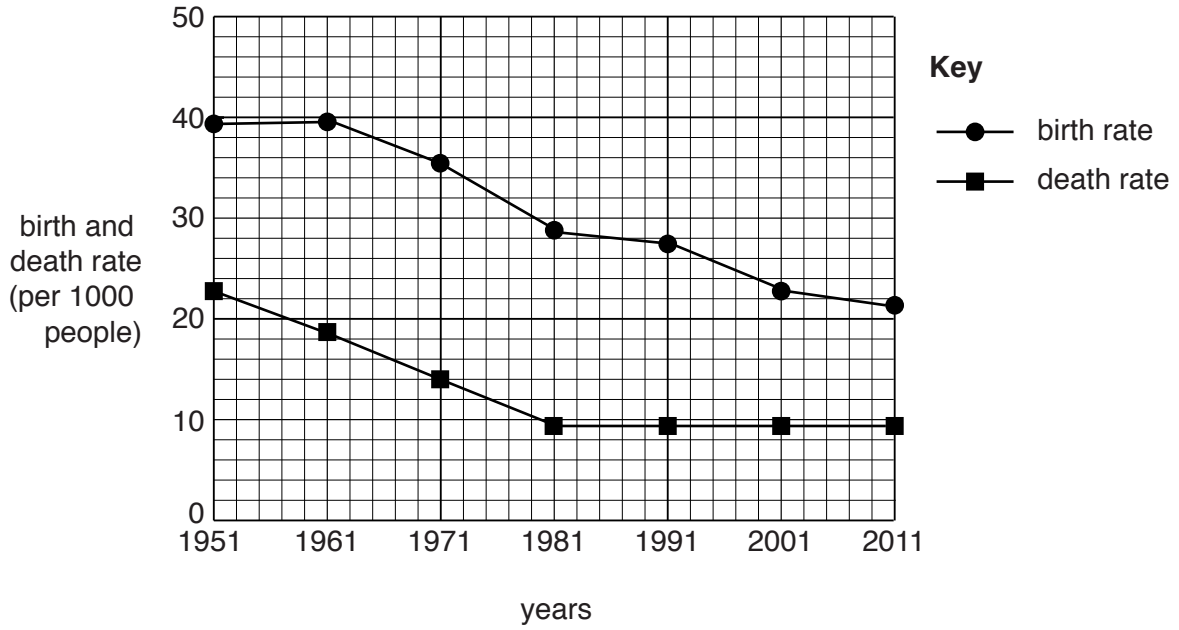


Fig. 2

(i) Using the information in Fig. 2 **only**, compare the natural population growth of India between the periods 1951–61 and 2001–11.

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(ii) Suggest reasons for the reduction in the death rate between 1951 and 2011.

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(c) For a named country you have studied, describe how the government has attempted to influence population growth.

Name of country .....

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[Total: 25 marks]

END OF QUESTION 1

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QUESTION 2

2 (a) Study Fig. 3, which shows a sector of an urban area in an MEDC.

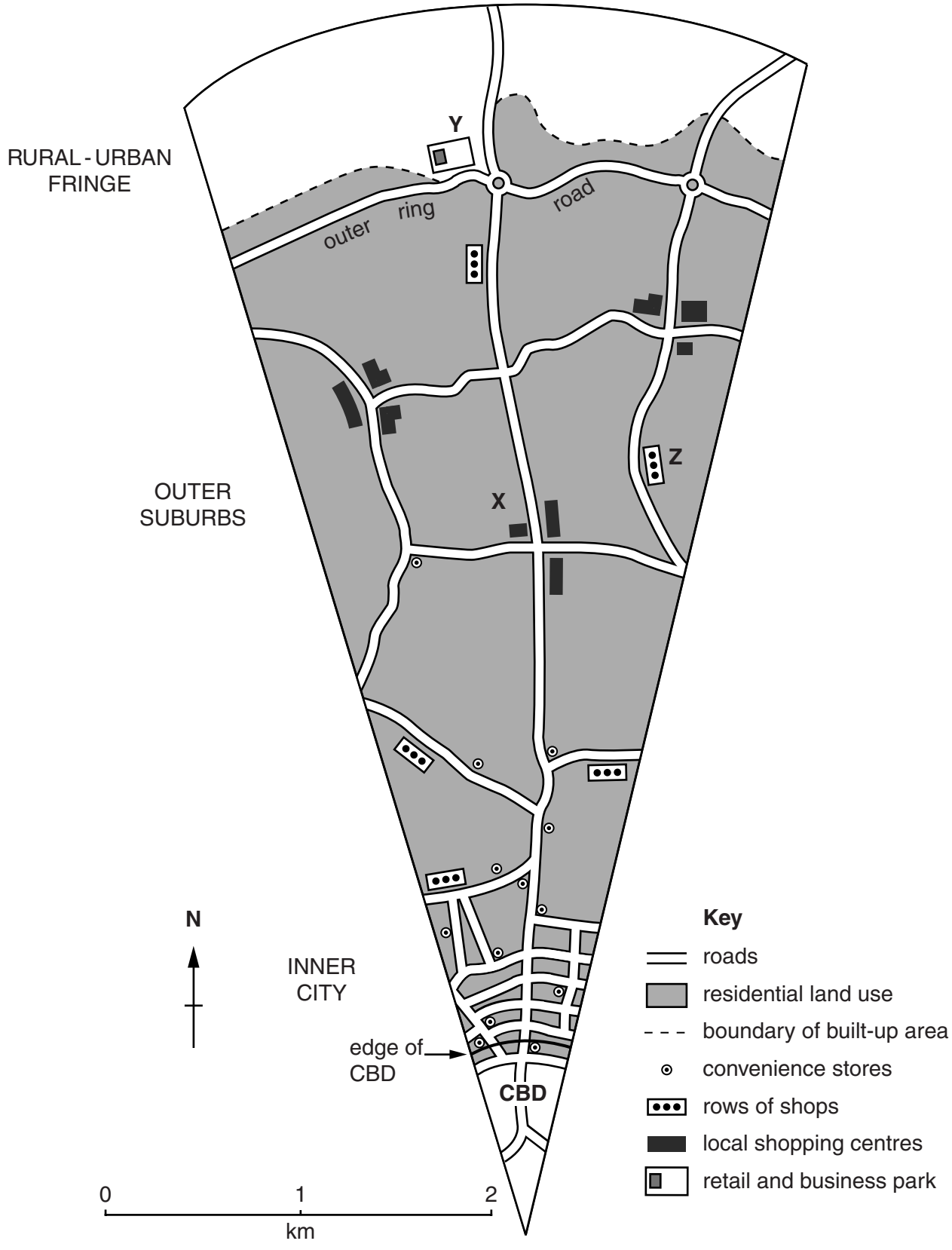


Fig. 3

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(i) What is meant by *urban area*?

.....

.....[1]

(ii) Using Fig. 3 **only**, compare the service provision in the inner city and outer suburbs.

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.....[2]

(iii) Suggest reasons why a local shopping centre developed at **X**.

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.....[3]

(iv) Describe the characteristics of retail and business parks such as the one at **Y**.

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(b) Study Fig. 4, which shows the row of shops labelled **Z** on Fig. 3.

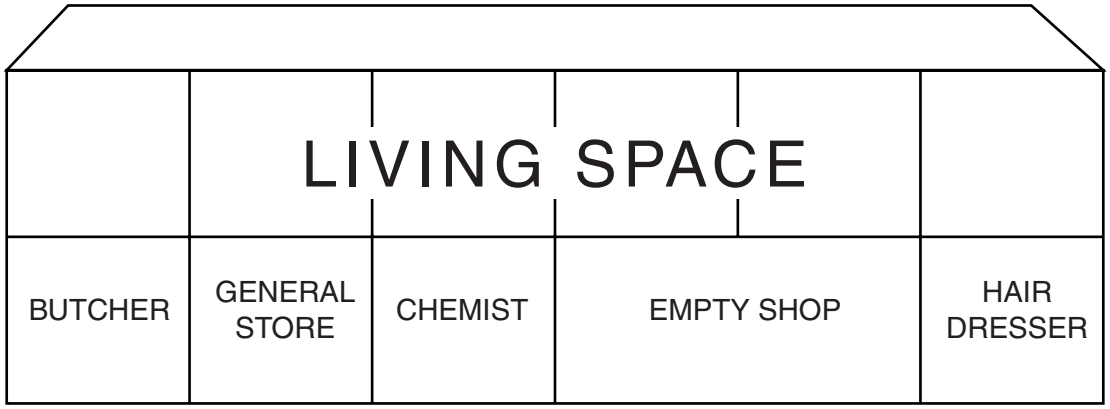


Fig. 4

(i) Describe the characteristics of the row of shops and services shown in Fig. 4 using the following headings:

order .....

.....

sphere of influence .....

.....

frequency of use .....

.....[3]

(ii) Study Photograph A (Insert), which shows the empty shop in Fig. 4.
The empty shop is for sale. Choose a likely use for it and explain your choice.

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.....[5]

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(c) Describe the problems which occur in the CBD of an urban area you have studied. Explain why these problems occur.

Name of urban area .....

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[Total: 25 marks]

END OF QUESTION 2

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QUESTION 3

3 (a) Study Fig. 5, which shows the Earth's tectonic plates.

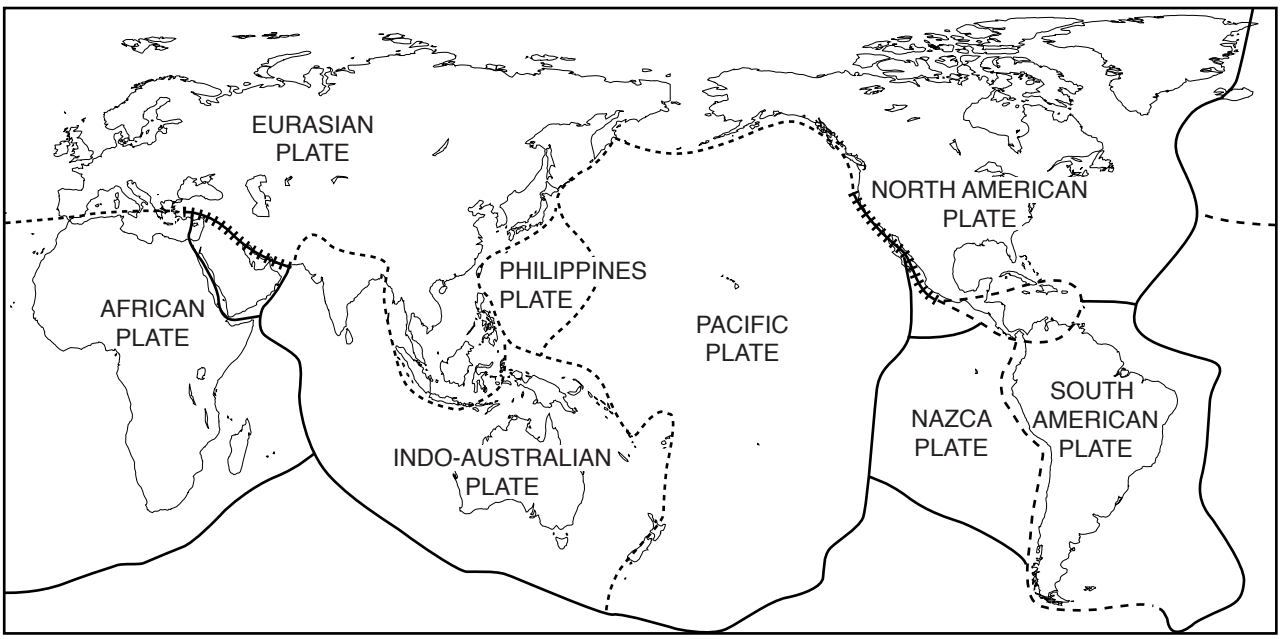


Fig. 5

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

.....

.....[1]

(ii) Draw two arrows on Fig. 5 to show the direction of movement of any **two** plates at each side of a plate boundary. [2]

(iii) Explain why volcanoes erupt at constructive plate boundaries.

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(iv) Explain why volcanoes erupt at destructive plate boundaries.

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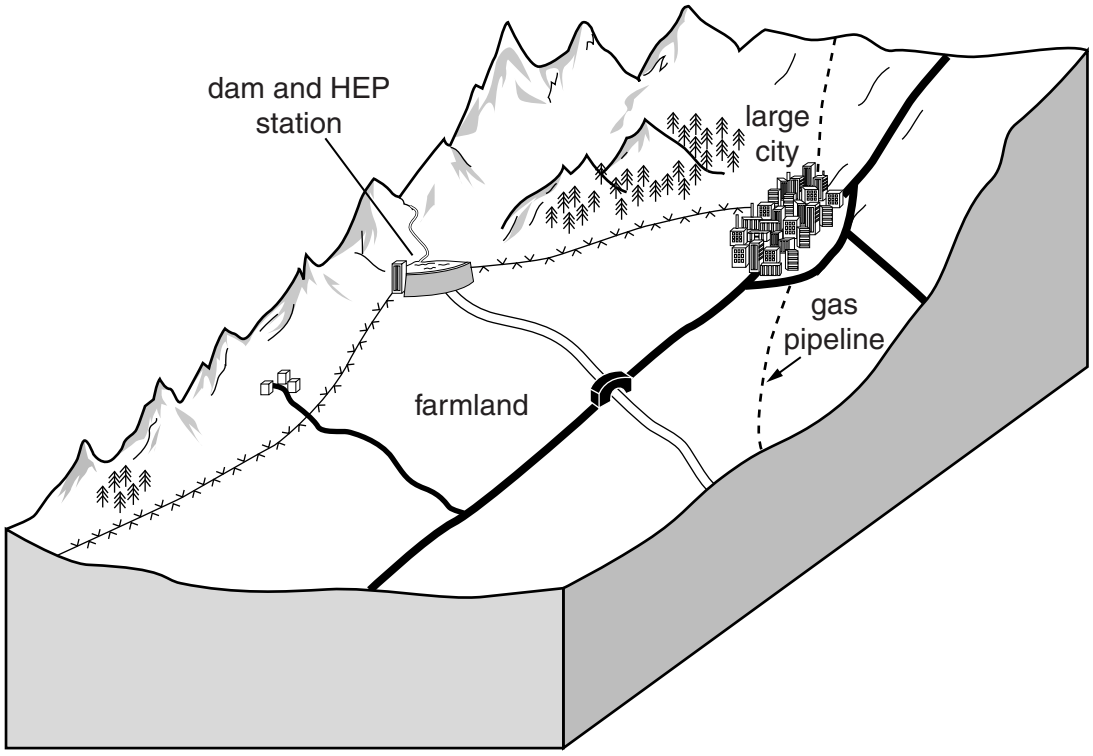
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(b) Study Fig. 6, which shows an area just before it experienced a large earthquake.



Key

- electricity pylons and cables
- main road
- minor road
- road bridge
- route of gas pipeline
- settlement
- forest
- river

Fig. 6

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(i) Describe **three** likely effects of an earthquake on the area shown in Fig. 6.

1 .....

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2 .....

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3 .....

.....[3]

(ii) Explain why the number of deaths and injuries caused by earthquakes is greater in LEDCs than MEDCs.

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(c) Explain the causes of an earthquake in a named area you have studied.

Name of area .....

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[Total: 25 marks]

END OF QUESTION 3

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QUESTION 4

4 (a) Study Figs 7A and 7B.
Fig. 7A shows the distribution of tropical rainforests in South America.
Fig. 7B shows information about the climate of Georgetown (Guyana).

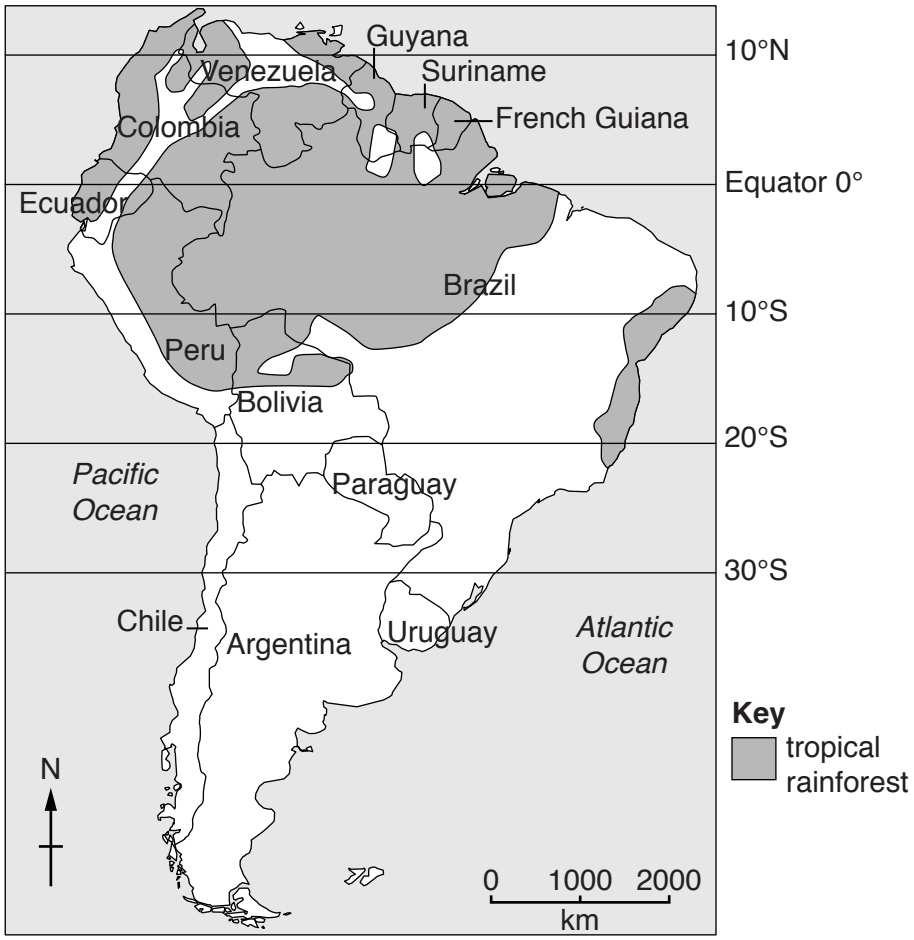
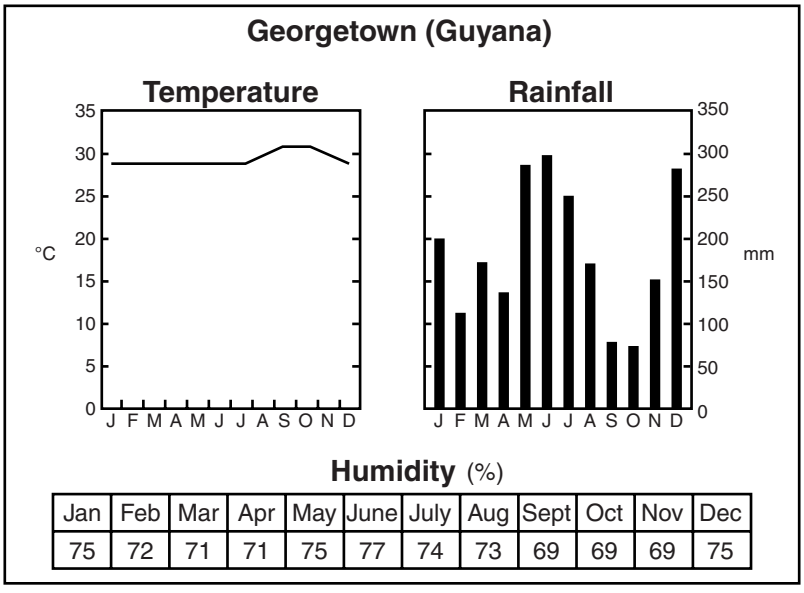


Fig. 7A



Humidity (%)

Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
75	72	71	71	75	77	74	73	69	69	69	75

Fig. 7B

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(i) Using Fig. 7A, identify the country in South America which has no tropical rainforest in the list below.

Circle your answer.

Brazil Colombia Ecuador Paraguay Suriname

[1]

(ii) Describe the distribution of tropical rainforests on Fig. 7A by referring to lines of latitude.

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.....[2]

(iii) Using Fig. 7B **only**, describe the main features of the climate of Georgetown.

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(iv) Give reasons for the tropical rainforest climate at Georgetown.

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(b) Study Photograph B (Insert), which shows an area of forest in Cameroon in West Africa.

(i) Describe **three** features of the forest shown in Photograph B.

1 .....

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2 .....

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3 .....

.....[3]

(ii) Explain the relationship between the climate and the natural vegetation in a tropical rainforest.

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(c) Name an area of tropical rainforest you have studied and explain why deforestation is taking place there.

Name of area .....

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[Total: 25 marks]

END OF QUESTION 4

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QUESTION 5

5 (a) Study Photographs C, D and E (Insert), which show three different types of farming.

(i) Which **two** of the following words could be used to describe the type of farming shown in Photograph C? Circle your two choices in the list below.

Pastoral Subsistence Arable Commercial [1]

(ii) Photographs C, D and E all show intensive farming. Describe **two** characteristics of intensive farming.

1 .....

.....

2 .....

.....[2]

(iii) Choose one of Photographs C, D or E. Suggest **three** processes which will be important in the farming system shown.

Photograph chosen .....

1 .....

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2 .....

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3 .....

.....[3]

(b) Study Figs 8A and 8B (Insert), which show information about Bosnia–Herzegovina, a country in Europe.

(i) Using Fig. 8A, describe the locations of mixed farming, pasture and crops in Bosnia–Herzegovina.

mixed farming .....

.....

pasture .....

.....

crops .....

.....[3]

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(ii) Using information in Figs 8A and 8B **only**, suggest reasons for the variation in land use in Bosnia–Herzegovina.

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(iii) Explain how political factors may influence agricultural land use.

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(c) For a named area you have studied, explain why natural factors cause food shortages.

Name of area .....

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[Total: 25 marks]

END OF QUESTION 5

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QUESTION 6

6 (a) Study Fig. 9, which shows information about the causes of atmospheric pollution.

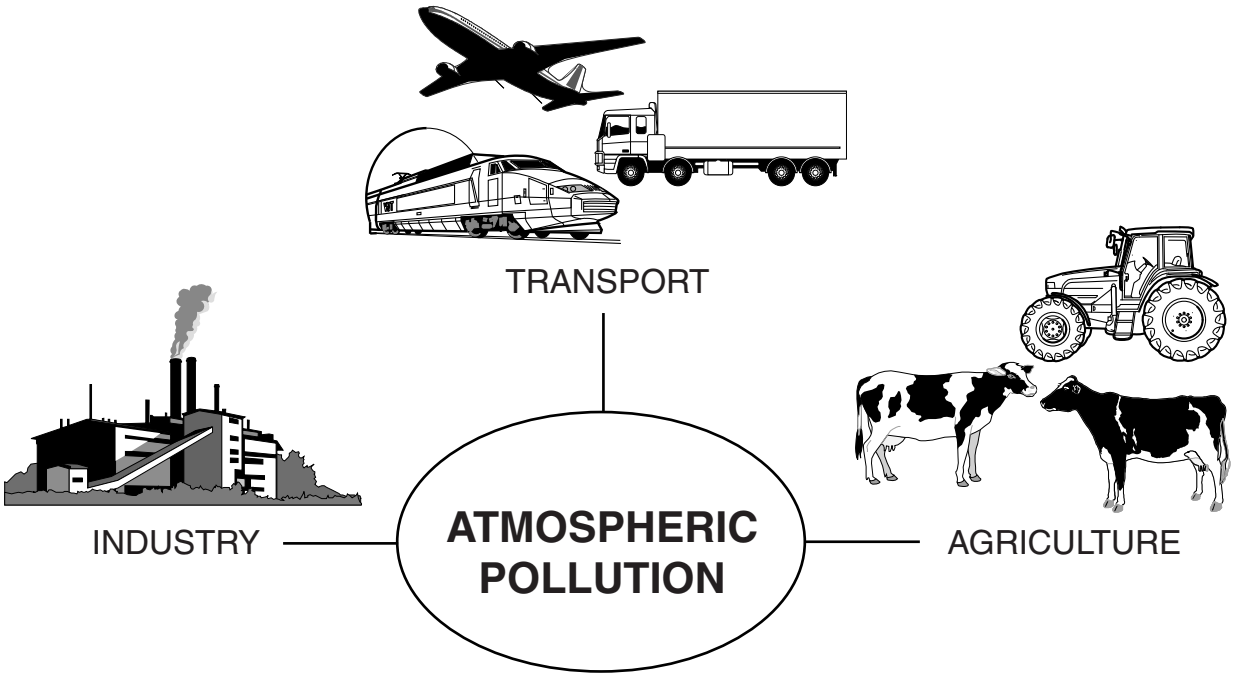


Fig. 9

(i) What is meant by *atmospheric pollution*?

..... [1]

(ii) Describe **two** ways in which agriculture can cause atmospheric pollution.

1 .....

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2 .....

.....[2]

(iii) Explain how atmospheric pollution can cause an increase in global temperatures.

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(iv) Explain why many people are concerned about increases in global temperatures.

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(b) Study Fig. 10 (Insert), which shows information about the Cheleken peninsula in Turkmenistan, a country in Asia.

(i) Using Fig. 10, identify **three** different sources of water pollution.

1 .....

2 .....

3 .....[3]

(ii) Suggest reasons why it is important to reduce levels of water pollution in the area shown in Fig. 10.

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(c) For a named area you have studied, describe attempts to maintain, conserve or improve the natural environment.

Name of area .....

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[Total: 25 marks]

END OF QUESTION 6

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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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