

Cambridge International Examinations

Cambridge International General Certificate of Secondary Education

| CANDIDATE NAME | | | |
|------------------|----------------------------|---------------------|---------------------|
| CENTRE NUMBER | | CANDIDATE NUMBER | |
| GEOGRAPHY | | | 0460/12 |
| Paper 1 | | Oc | tober/November 2015 |
| | | | 1 hour 45 minutes |
| | ver on the Question Paper. | | |
| Candidates ansv | ver on the Question raper. | | |

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.

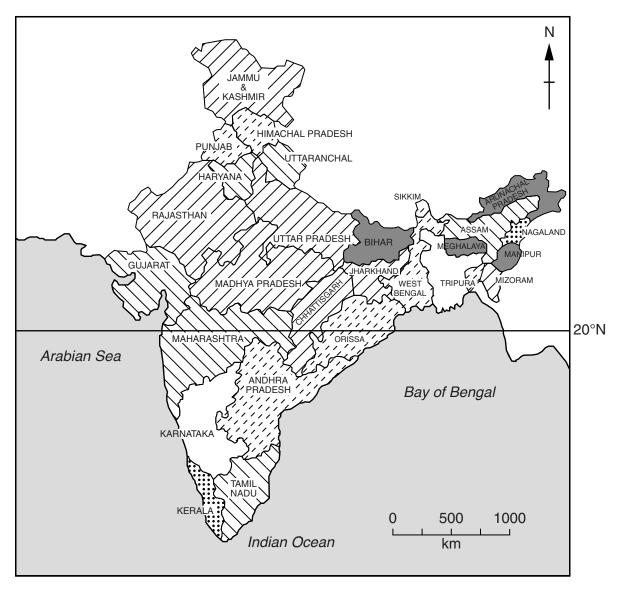
The number of marks is given in brackets [] at the end of each question or part question.

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





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



Key

population growth rate (per 1000)

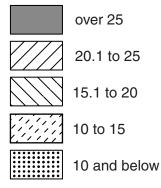


Fig. 1

(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. |
|-------|--|
| | |
| | |
| | |
| | [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.

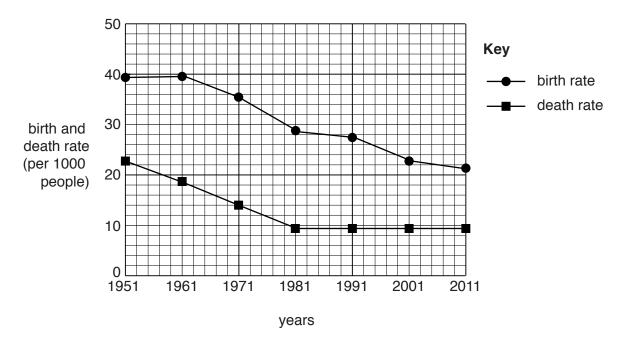


Fig. 2

| | , | between the periods 1951–61 and 2001–11. |
|-----|---|--|
| [3] | | |
| [3] | | |
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| [3] | | |
| [3] | | |
| | | [3] |

| | (ii) | Suggest reasons for the reduction in the death rate between 1951 and 2011. |
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| | | [5] |
| (c) | | a named country you have studied, describe how the government has attempted to ence population growth. |
| | Nam | ne of country |
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[Total: 25 marks]

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

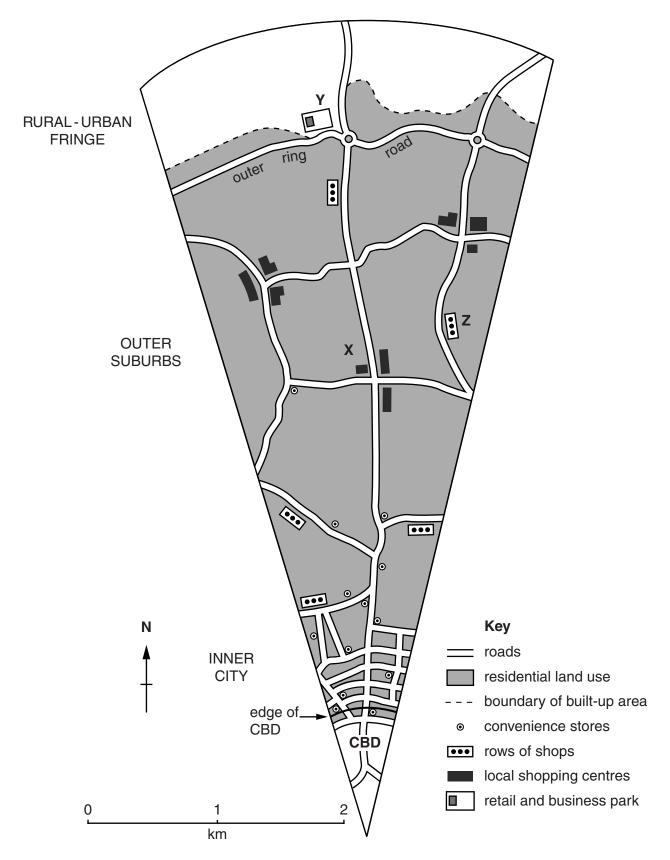


Fig. 3

| (i) | What is meant by urban area? |
|-------|---|
| (ii) | Using Fig. 3 only , compare the service provision in the inner city and outer suburbs. |
| ` , | |
| | [2] |
| (iii) | Suggest reasons why a local shopping centre developed at X . |
| | |
| | |
| (iv) | Describe the characteristics of retail and business parks such as the one at Y . |
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| | [4] |

(b) Study Fig. 4, which shows the row of shops labelled ${\bf Z}$ on Fig. 3.

| | LI | VING | SPAC | E | |
|---------|------------------|--------------|-----------|--------|-----------------|
| BUTCHER | GENERAL STORE | CHEMIST | EMPT | Y SHOP | HAIR DRESSER |

Fig. 4

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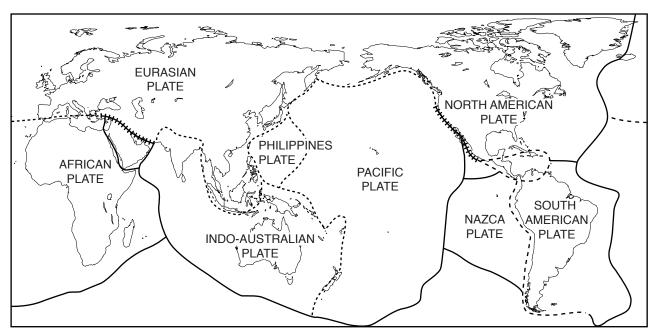
(c)

| Describe the problems which occur in the CBD of an urban area you have studied. Explain why these problems occur. |
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| Name of urban area |
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[Total: 25 marks]

END OF QUESTION 2

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



KEY

---- constructive plate boundary

----- destructive plate boundary

******** conservative plate boundary

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 eac side of a plate boundary. |
| (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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(b) Study Fig. 6, which shows an area just before it experienced a large earthquake.

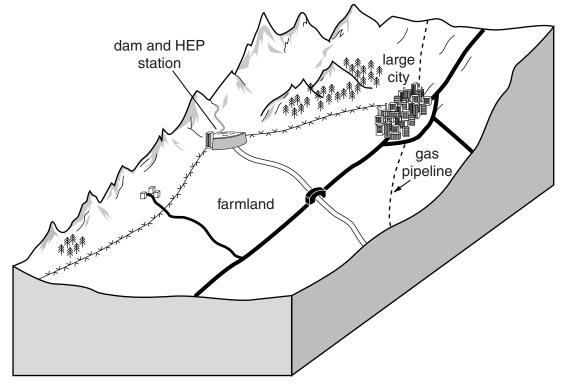


Fig. 6

| (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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| 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

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).

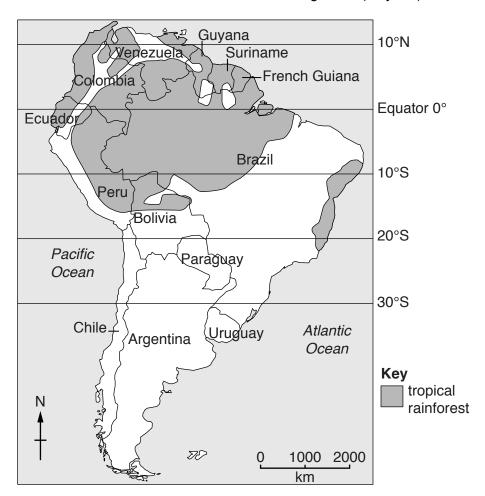


Fig. 7A

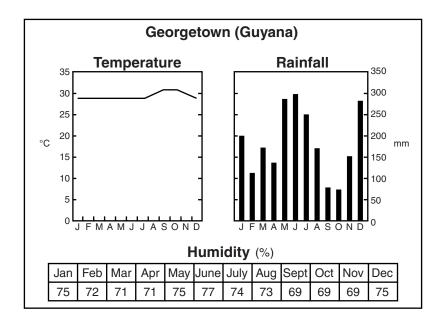


Fig. 7B 0460/12/O/N/15

| (i) | Using Fig. 7A, identify the country in South America which has no tropical rainforest in the list below. | | | | | | | | |
|-------|--|--------------------------|---------|----------|---------------------------|------|--|--|--|
| | Circle your a | nswer. | | | | | | | |
| | Brazil | Colombia | Ecuador | Paraguay | Suriname | [1] | | | |
| (ii) | | | | | referring to lines of lat | | | | |
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| | | | | | | | | | |
| (iii) | | 3 only , describe | | | | رکاا | | | |
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| | (iv) | Give reasons for the tropical rainforest climate at Georgetown. |
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| | | [4] |
| (b) | Stu | dy 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 |
| | | |
| | | 2 |
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| | | 3 |
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| | | [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

5

| (a) | Stu | udy 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 Su | [1] | | | | | | | |
| | (ii) | Photographs C, D and intensive farming. | E all show inte | nsive farming | j. Describe two | characteristics of | | | | |
| | | 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) | | dy Figs 8A and 8B (Insert) Europe. | , which show in | formation abo | out Bosnia–Herz | egovina, a country | | | | |
| | (i) | Using Fig. 8A, describe Herzegovina. | the locations o | f mixed farmi | ng, pasture and | I crops in Bosnia– | | | | |
| | | mixed farming | | | | | | | | |
| | | | | | | | | | | |
| | | pasture | | | | | | | | |
| | | | | | | | | | | |
| | | crops | | | | | | | | |

| (ii) | Using information in Figs 8A and 8B only , suggest reasons for the variation in land use in Bosnia–Herzegovina. |
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| | [4] |
| (iii) | Explain how political factors may influence agricultural land use. |
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| | [5] |

| (c) | For a named area you have studied, explain why natural factors cause food shortages. |
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| | Name of area |
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[Total: 25 marks]

END OF QUESTION 5

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

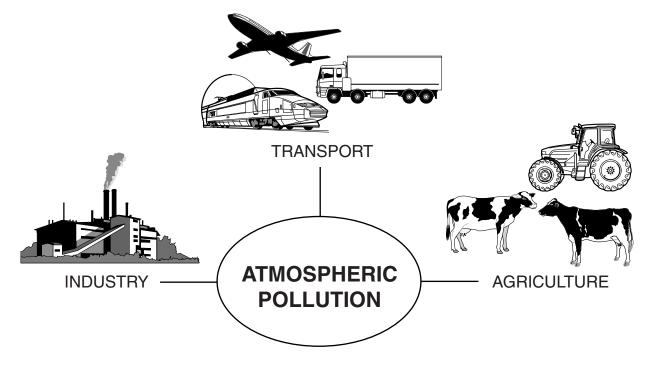


Fig. 9

| (i) | What is meant by atmospheric pollution? | |
|-------|---|-----|
| | | [1] |
| (ii) | Describe two ways in which agriculture can cause atmospheric pollution. | |
| | 1 | |
| | | |
| | 2 | |
| | | [2] |
| (iii) | Explain how atmospheric pollution can cause an increase in global temperatures. | |
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| | | [3] |

| (i | v) | Explain why many people are concerned about increases in global temperatures. |
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| | | [4] |
| | | dy Fig. 10 (Insert), which shows information about the Cheleken peninsula in Turkmenistan, buntry 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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| | | [5] |

| (c) | For a named area you have studied, describe attempts to maintain, conserve or improve the natural environment. |
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| | Name of area |
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[Total: 25 marks]

END OF QUESTION 6

Additional Pages

| If you use to number(s) m | the followir nust be clea | ng lined p arly shown | ages to | complete | the a | nswer(s) | to any | question(s) | , the | question |
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