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GEOGRAPHY **0460/11**

Paper 1 Geographical Themes **October/November 2025**

1 hour 45 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
Calculator
Ruler

INSTRUCTIONS

- Answer **three** questions in total, **one** from each section.
- 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 75.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains additional resources referred to in the questions.

LEDCs – Less Economically Developed Countries
MEDCs – More Economically Developed Countries

This document has **28** pages. Any blank pages are indicated.

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Section A

Answer **one** question from this section.

1 **(a)** Study Fig. 1.1 (Insert), showing average annual population growth rates between 1950 and 2100 (estimated).

(i) Identify the average annual population growth rate of the USA.

.....% [1]

(ii) Put the following four countries in rank order according to their average annual population growth rates.

Angola Australia China Peru

..... highest

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..... lowest

[2]

(iii) Describe the distribution of countries where the population is decreasing.

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(iv) Explain why there has been a reduction in population growth rates in some countries.

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(b) Study Fig. 1.2, a graph showing information about the population of MEDCs and LEDCs between 2015 and 2040 (estimated).

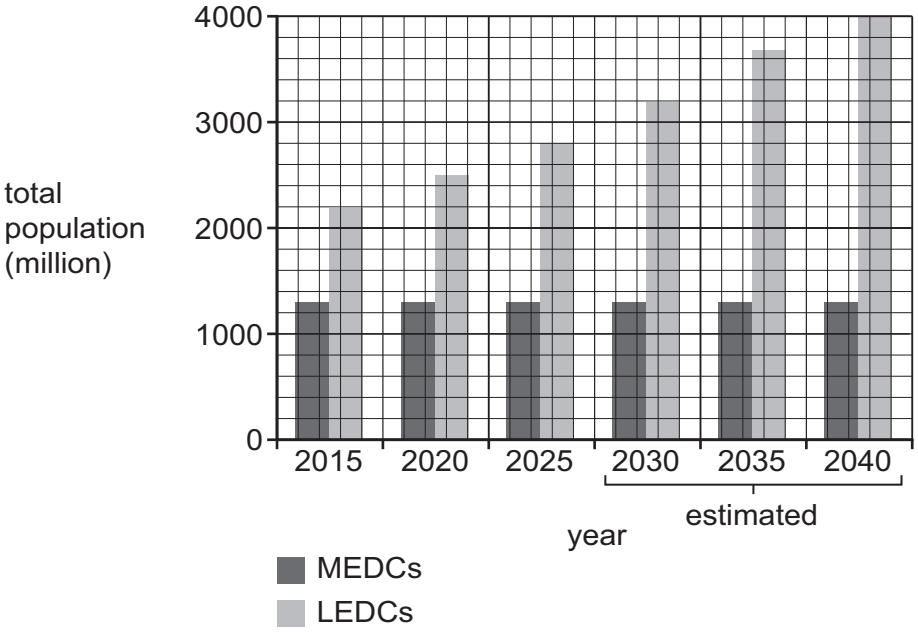


Fig. 1.2

(i) Compare the expected changes in the total population of MEDCs and LEDCs between 2015 and 2040.
You should refer to years and use statistics in your answer.

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(ii) Describe the problems experienced in countries as a result of high rates of population growth.

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(c) For a named country you have studied, describe a policy used to influence its population growth rate.

Name of country ....

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2 **(a)** Study Fig. 2.1 (Insert), a map showing information about settlements in Extremadura, a region of Spain (an MEDC in Europe).

(i) How many settlements with a population of over 20 000 are there in the Extremadura region?

..... [1]

(ii) Using Fig. 2.1 **only**, describe the hierarchy of settlements in the Extremadura region.

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..... [2]

(iii) Use the following words to fill in the table to show likely differences in service provision in the settlements labelled **X** and **Y** in Fig. 2.1.

convenience few high low many specialist

	settlement X	**settlement Y**
amount of services	.....	.....
order of services	.....	.....
type of services	.....	.....

[3]

(iv) Explain why the sphere of influence of settlement **Z** is likely to be large.

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(b) Study Figs. 2.2, 2.3 and 2.4 (Insert), photographs showing settlements with different functions.

(i) Using evidence from Figs. 2.2, 2.3 and 2.4 **only**, identify the functions of each settlement.

Choose your answers from the following list.

commercial cultural industrial mining port tourism

Fig. 2.2 .....

Fig. 2.3 .....

Fig. 2.4 .....

[3]

(ii) Describe and explain the service provision in tourist resorts.

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(c) For a named settlement, state its main function and explain why it has this function.

Name of settlement ....

Main function ....

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Section B

Answer **one** question from this section.

3 **(a)** Study Fig. 3.1 (Insert), a photograph of an area of sand dunes.

(i) Describe the location of the sand dunes shown in Fig. 3.1.

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..... [1]

(ii) Which **two** of the following statements best describe the area of sand dunes shown in Fig. 3.1?

Tick (✓) the **two** correct statements in the table.

	tick (✓)
bare sand with no vegetation growing	
flat land with a wave cut platform	
lowland area with gentle slopes	
mainly covered by marram grass with some patches of sand	
steeply sloping uplands	

[2]

(iii) Suggest how the sand dunes shown in Fig. 3.1 were formed.

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(iv) The process of longshore drift is occurring along the beach shown in Fig. 3.1. Describe the process of longshore drift.

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(b) Study Fig. 3.2 (Insert), a photograph of a coastline with bays and headlands.

(i) Describe the characteristics of the headlands shown in Fig. 3.2.

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(ii) Suggest how the bay and headlands shown in Fig. 3.2 have been formed.

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(c) For a named coastal area you have studied, describe the hazards faced by people as a result of natural processes.

Name of coastal area .....

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4 **(a)** Study Fig. 4.1, a map showing the world's tectonic plates.

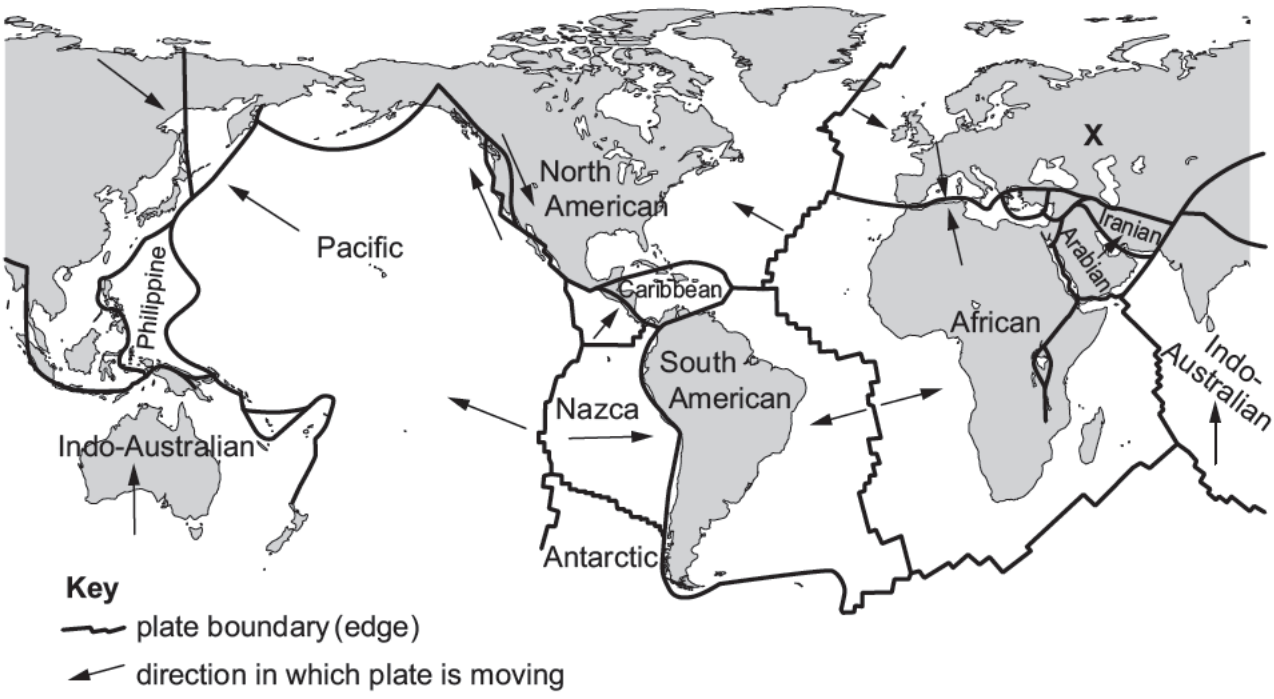


Fig. 4.1

(i) Which plate is labelled '**X**'?
Tick (✓) the correct answer in the table.

	tick (✓)
Arctic	
Asian	
Eurasian	
European	
Russian	

[1]

(ii) On Fig. 4.1 label the following:

- a constructive (divergent) plate boundary where a volcano may erupt (label with '**V**')
- a conservative (transform) plate boundary where an earthquake may occur (label with '**E**').

[2]

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(iii) Explain why earthquakes occur on conservative (transform) plate boundaries.

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(iv) Describe **two** methods which people use to make buildings 'earthquake proof'. For each method explain how it makes the building safer during an earthquake.

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[4]

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(b) Study Fig. 4.2 (Insert), a map showing information about an eruption of Mayon Volcano in the Philippines in January 2018.

(i) Using Fig. 4.2 **only**, identify **three** hazards caused by the eruption of Mayon Volcano.

1 .....

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[3]

(ii) Fig. 4.2 shows many settlements in the area around Mayon Volcano. Suggest reasons why many people live in such a hazardous area.

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(c) Describe the impacts of an earthquake which occurred in a named area you have studied.

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Section C

Answer **one** question from this section.

5 (a) Study Fig. 5.1 (Insert), a photograph of a manufacturing industry.

(i) Which of the following is the correct definition of manufacturing industry? Tick (✓) the correct answer in the table.

	tick (✓)
extracting raw materials from mines and quarries	
making things by changing raw materials into finished products	
putting together parts or components to make finished products	
using advanced technology to make hi-tech products	

[1]

(ii) Describe **two** features of the manufacturing industry shown in Fig. 5.1.

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[2]

(iii) Using evidence from Fig. 5.1 **only**, suggest **three** reasons why the manufacturing industry has been built in this rural location.

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(iv) Explain why the location of raw materials is an important factor when the site is chosen for some manufacturing industries.

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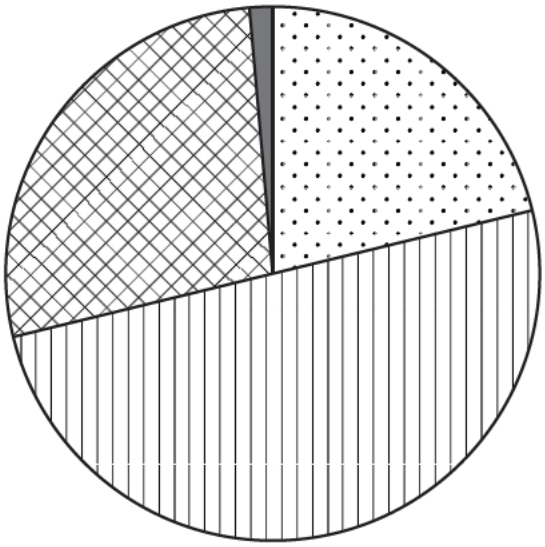
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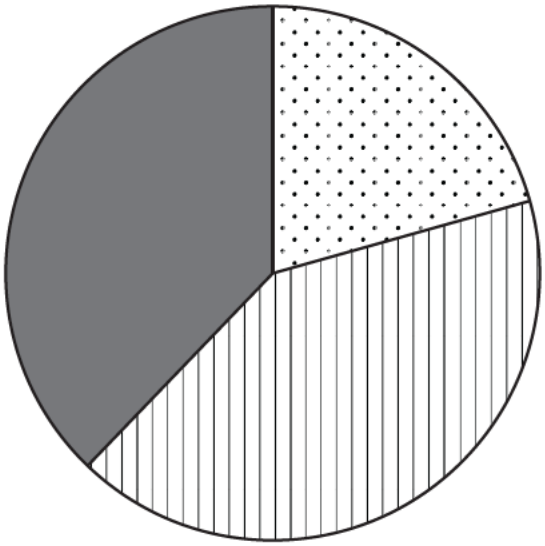
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(b) Study Fig. 5.2, which shows information about the sources of two different types of atmospheric pollution in and around Dhaka, Bangladesh (an LEDC in Asia).

carbon monoxide



sulfur dioxide



Key

source of atmospheric pollution

- vehicles
- energy generation
- agriculture
- industry

Fig. 5.2

(i) Using Fig. 5.2 **only**, compare the sources of carbon monoxide and sulfur dioxide in and around Dhaka. Do **not** use statistics.

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(ii) Explain why many countries are attempting to reduce levels of atmospheric pollution.

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(c) For a named area you have studied, explain how an economic activity is managed to reduce risks to the natural environment.

Name of area .....

Economic activity .....

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6 **(a)** Study Fig. 6.1 (Insert), which is a photograph of an area in the UK where commercial farming takes place.

(i) Define 'commercial farming'.

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(ii) Describe the natural features of the landscape shown in Fig. 6.1.

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(iii) Suggest how the natural features of the landscape shown in Fig. 6.1 are likely to influence agricultural land use.

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(iv) Describe methods used by commercial farmers to increase their output of crops and livestock.

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(b) Study Fig. 6.2, a graph showing production of sugar cane in South Africa (an MEDC) between 2001 and 2022.

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Fig. 6.2

(i) Describe the changes in the production of sugar cane in South Africa between 2001 and 2022. You should refer to years and use statistics.

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(ii) Suggest why the amount of sugar cane production varies from year to year.

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(c) For a named country or area you have studied, describe the problems caused by food shortages.

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