

Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

INTERNATIONAL GCSE GEOGRAPHY

Paper 2 Challenges in the Human Environment

Friday 25 October 2024 07:00 GMT Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in **Sections A** and **B**.
- Answer **one** question from **Section C**, **either** Question 3 **or** Question 4.
- You must answer the questions in the spaces provided.
Do **not** write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- All working must be shown.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.
- HIC is a higher income country.
- LIC is a lower income country.
- NEE is a newly emerging economy.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
TOTAL	



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Section A – Urban issues and challenges

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD



WRONG METHODS

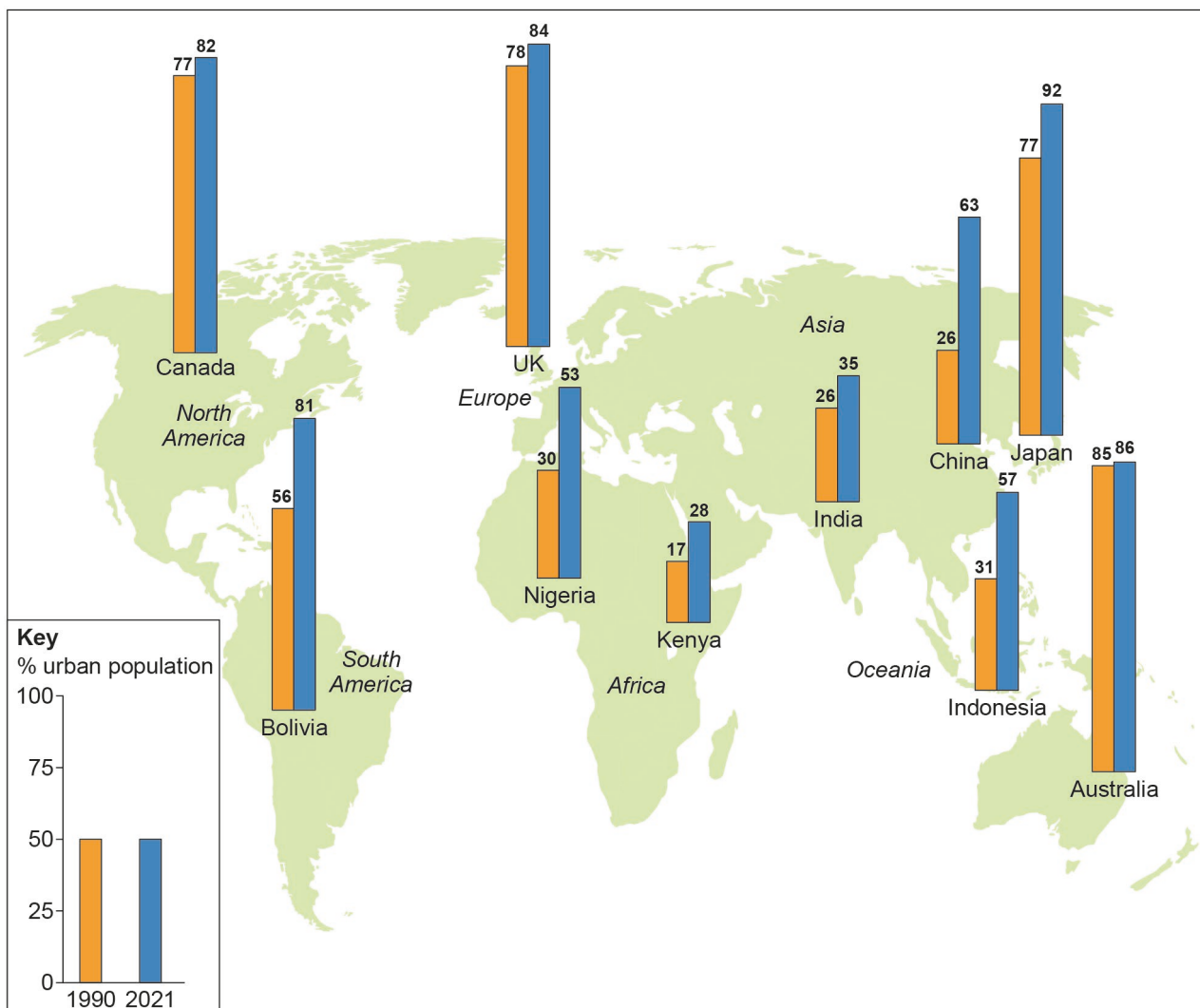


If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

Study **Figure 1**, a map showing the percentage of urban population for selected countries (1990–2021).

Figure 1



0 1 . 1

Which country in **Figure 1** had the largest percentage increase in urban population from 1990–2021?

Shade **one** circle only.

[1 mark]

A Canada

☐

B China

☐

C Indonesia

☐

D Kenya

☐

0 1 . 2

Calculate the mean percentage urban population in 2021 for the countries shown in **Figure 1**.

Show your working.

[2 marks]

0 1 . 3

Compare the changes in the percentage urban population from 1990–2021 between Australia and China.

[2 marks]

Question 1 continues on the next page

Turn over ►

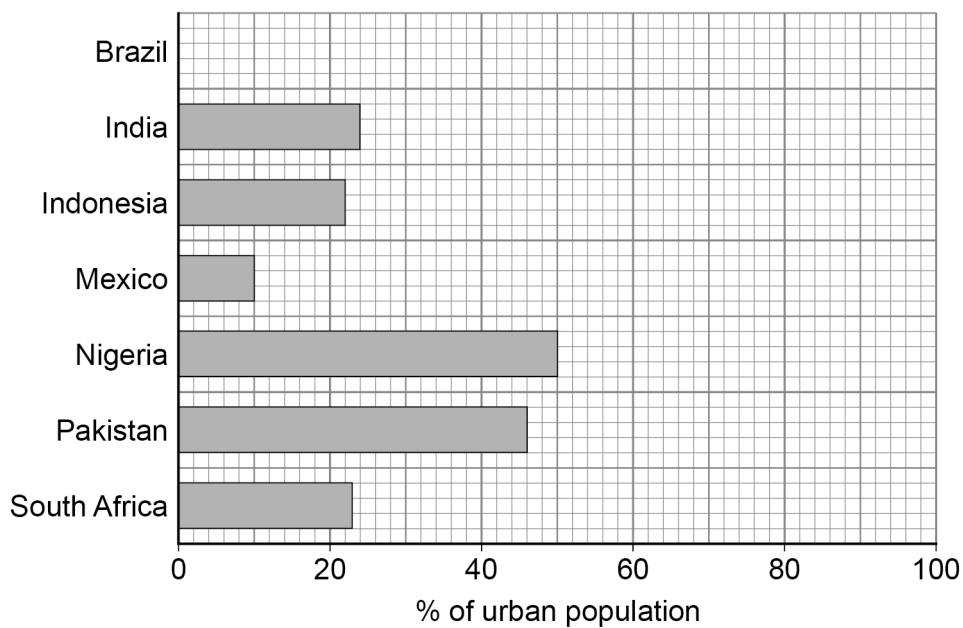


0 1 . 4

Explain the factors that have caused the rapid growth of urban population in LICs.

[4 marks]

Study **Figure 2**, a bar chart showing the percentage of urban population living in slums for selected countries in 2020.

Figure 2

0 1 . 5

Complete the bar chart in **Figure 2** using the information below.**[1 mark]**

Country	Percentage of urban population living in slums
Brazil	22



0 1 . 6

What is the range of the data shown in **Figure 2**?Shade **one** circle only.**[1 mark]****A** 34%☐**B** 36%☐**C** 38%☐**D** 40%☐**Question 1 continues on the next page****Turn over ►**

Figure 3

0 1 . 7 'Urban growth creates more opportunities than challenges in LIC/NEE cities.'

[6 marks]

[illegible]

Study **Figure 4**, a photograph showing a community garden project in New York, a world city.

Figure 4



0 1 . 8 'Urban greening can significantly improve the quality of life for people living in cities.'

To what extent do you agree with this statement?

Use **Figure 4** and your own understanding.

[4 marks]

Question 1 continues on the next page

Turn over ►



Describe the main features of an urban regeneration project you have studied and explain why the area needed regenerating.

[illegible]

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0 9

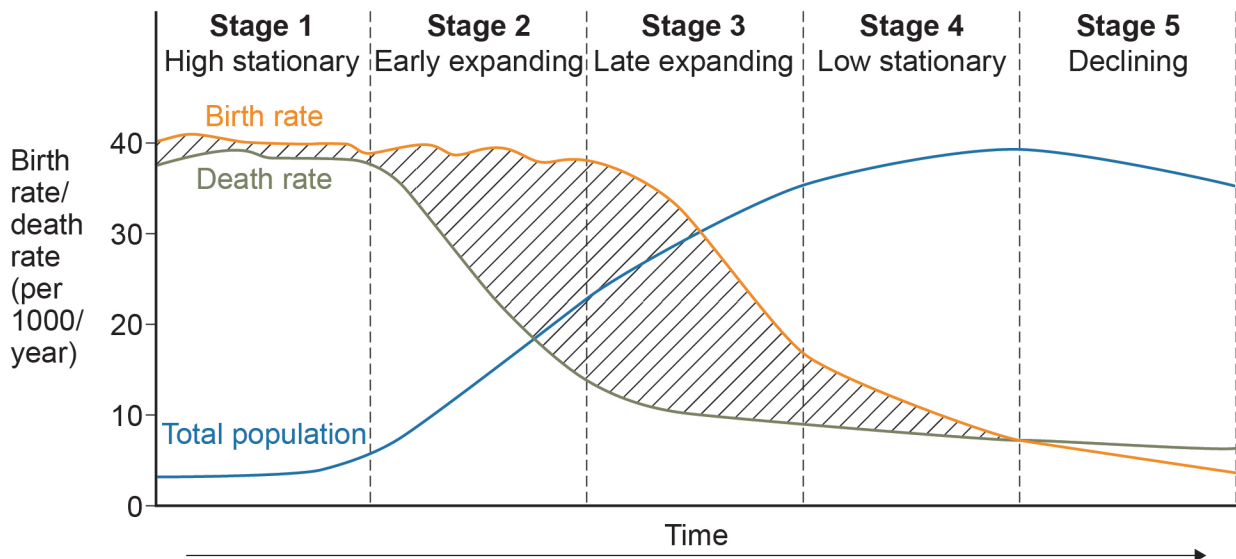
Section B – The changing economic world

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

Study **Figure 5**, a simplified diagram of the Demographic Transition Model (DTM).

Figure 5



0 2 . 1 In which stage of the DTM does total population increase most rapidly?

[1 mark]

0 2 . 2 What does the shaded area on the DTM in **Figure 5** show?

Shade **one** circle only.

[1 mark]

- A Changing birth rate ☐
- B Changing death rate ☐
- C Natural decrease ☐
- D Natural increase ☐



0 2 . 3 Give **two** reasons why the birth rate falls in Stage 3 of the DTM.

[2 marks]

1 _____

2 _____

0 2 . 4 Suggest how historical factors might make economic development more challenging.

[4 marks]

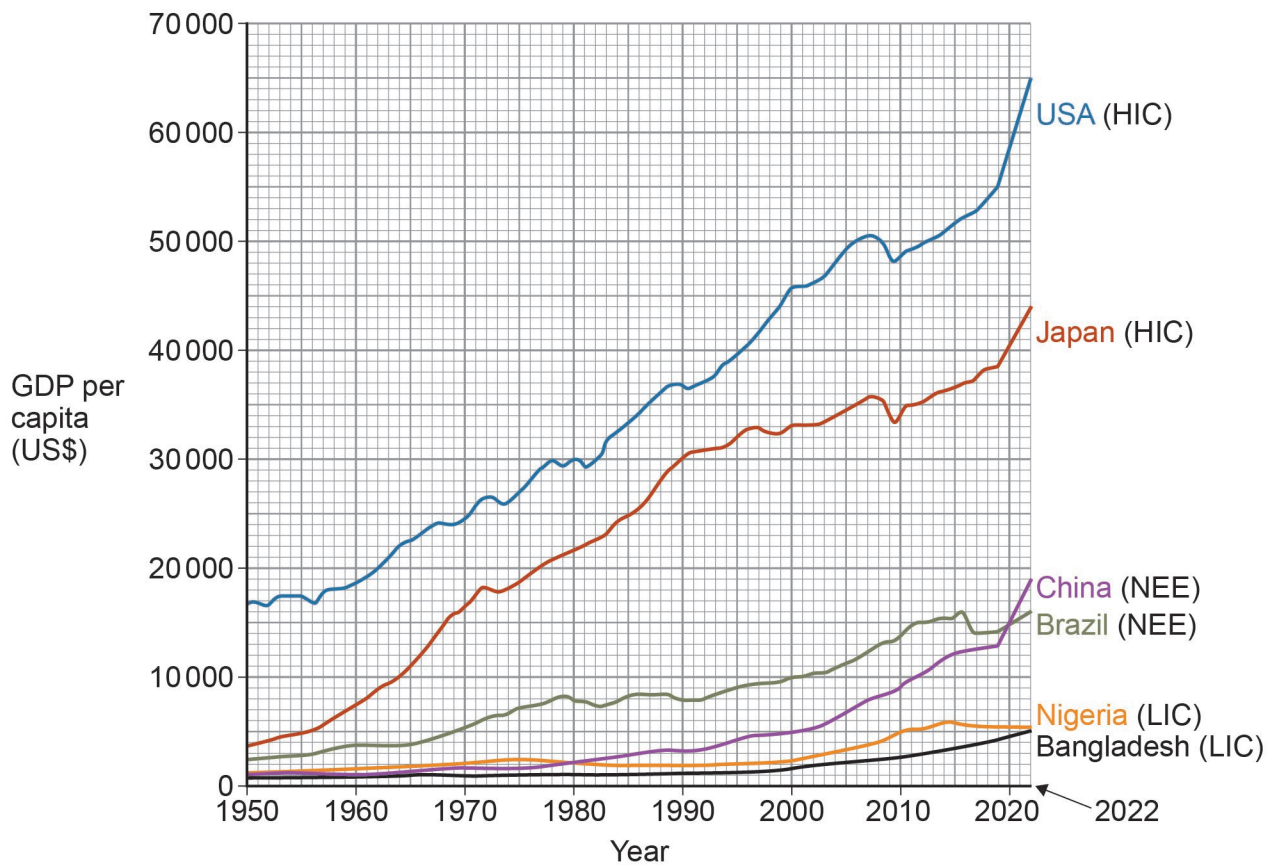
Question 2 continues on the next page

Turn over ►



Study **Figure 6**, a graph showing the changing GDP per capita for six countries (1950–2022).

Figure 6



Gross Domestic Product (GDP) per capita – the total value of goods and services produced by a country, divided by the population

0 2 . 5

Which country in **Figure 6** increased its GDP per capita by the greatest amount from 1950–2022?

[1 mark]



0	2	.	6
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Compare the GDP per capita of China and Bangladesh from 1950–2022 shown in **Figure 6**.

[2 marks]

Question 2 continues on the next page

Turn over ►



[9 marks]

[illegible]

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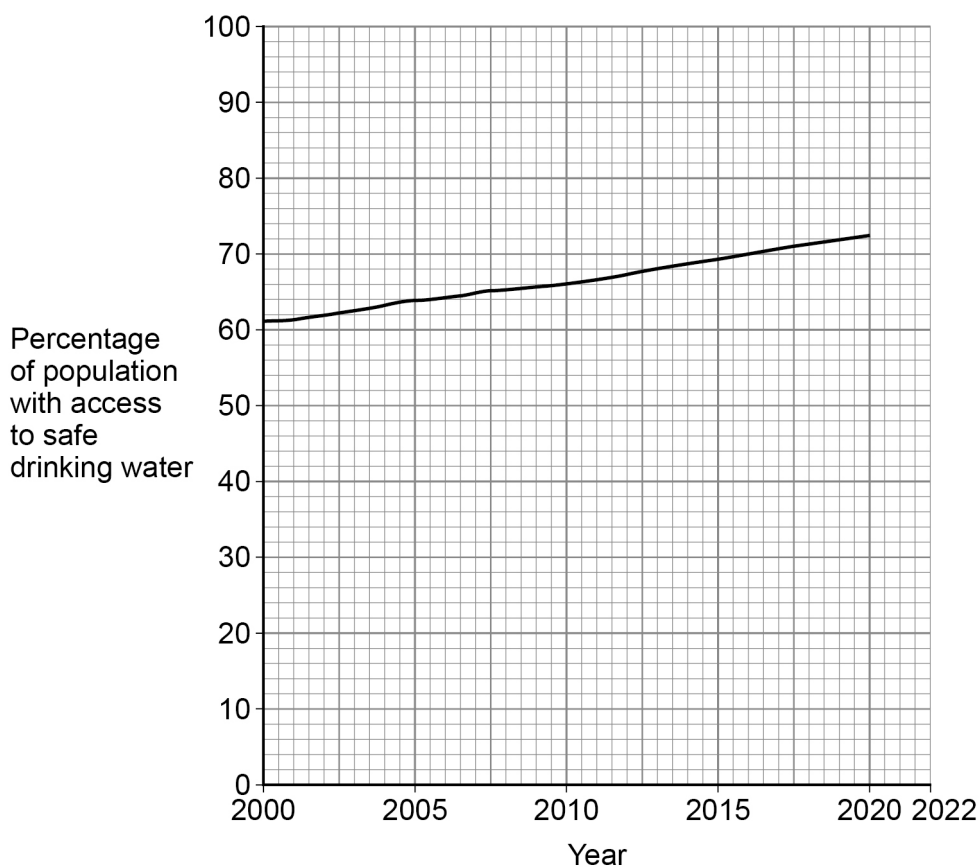
Section C – Global issues**Water and energy resources or Population and communication**

Answer **all** questions in the spaces provided.

You must answer **one** question from this section, **either** Question 3 **or** Question 4.

Question 3 – Water and energy resources

Study **Figure 7**, a line graph showing percentage global access to safe drinking water (2000–2022).

Figure 7

0 3 . 1 Complete the line graph in **Figure 7** using the information below.

Global population with access to safe drinking water 2022 – 76%

[1 mark]



0 3 . 2 Describe the change in global access to safe drinking water from 2000–2022.

[2 marks]

0 3 . 3 Explain how water insecurity might affect industrial output.

[4 marks]

0 3 . 4 Match the following terms with the correct definition by drawing a line between the two.

[2 marks]

Term

Definition

Water conservation

Using untreated water previously used

Water recycling

Reducing waste and unnecessary use

Grey water

Reusing treated water

Question 3 continues on the next page

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To what extent has a large-scale water transfer scheme that you have studied been successful?

[illegible]

Question 3 continues on the next page

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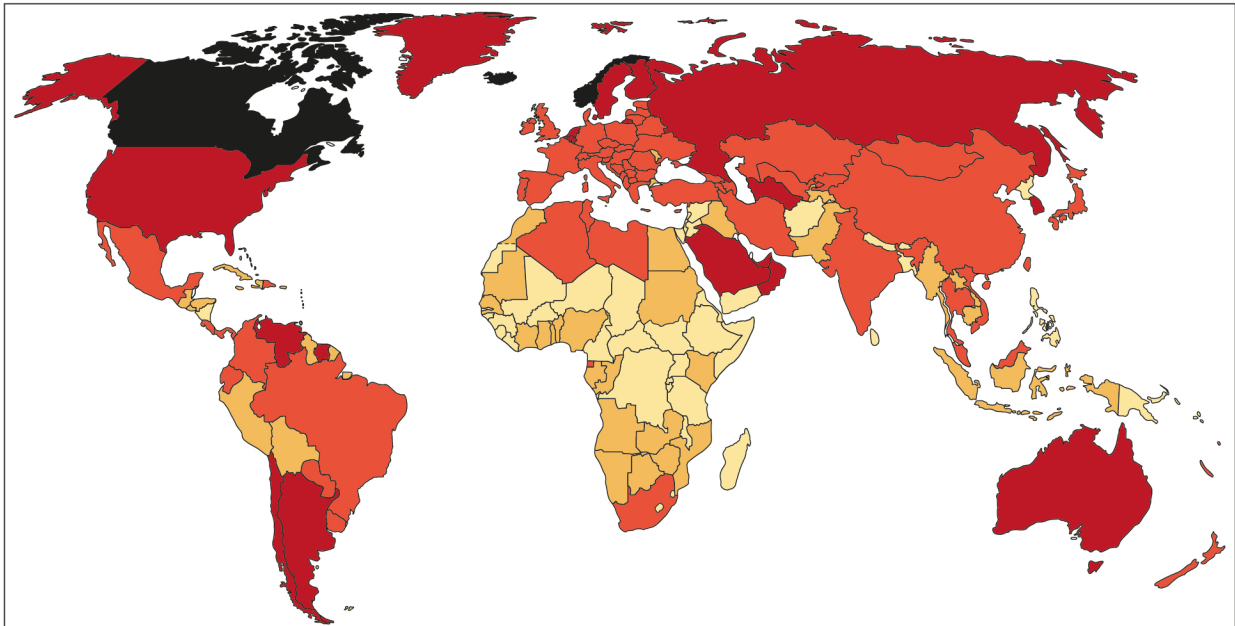
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Study **Figure 8**, a world map showing energy consumption per person in 2021.

Figure 8



Key

Energy consumption per person (2021)

- 0–2000 kWh
- 2001–10 000 kWh
- 10 001–50 000 kWh
- 50 001–200 000 kWh
- Over 200 000 kWh

kWh = kilowatt-hour (energy used in kilowatts per hour)

0 3 . 6 Which continent had the lowest consumption of energy per person in 2021?

Shade **one** circle only.

[1 mark]

A Africa

☐

B Asia

☐

C Europe

☐

D North America

☐


0 3 . 7

Describe the distribution of countries with energy consumption per person between 50 001–200 000 kWh.

[2 marks]

0 3 . 8

Outline **two** reasons why a country's energy consumption might increase.

[4 marks]

1

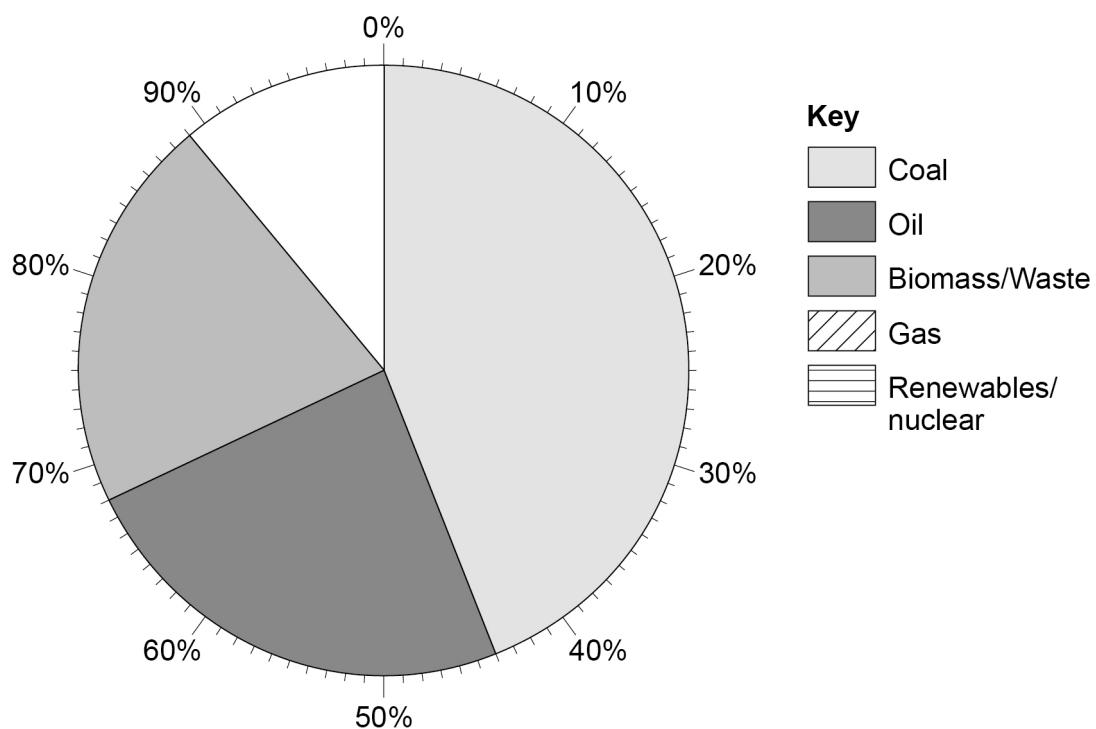
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Question 3 continues on the next page

Turn over ►

Study **Figure 9**, a pie chart showing the energy mix for India in 2021.

Figure 9



0 3 . 9

Complete the pie chart in **Figure 9** using the information below.

Energy produced using gas – 6%

Energy produced using renewables/nuclear – 5%

[2 marks]



0	3
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[6 marks]

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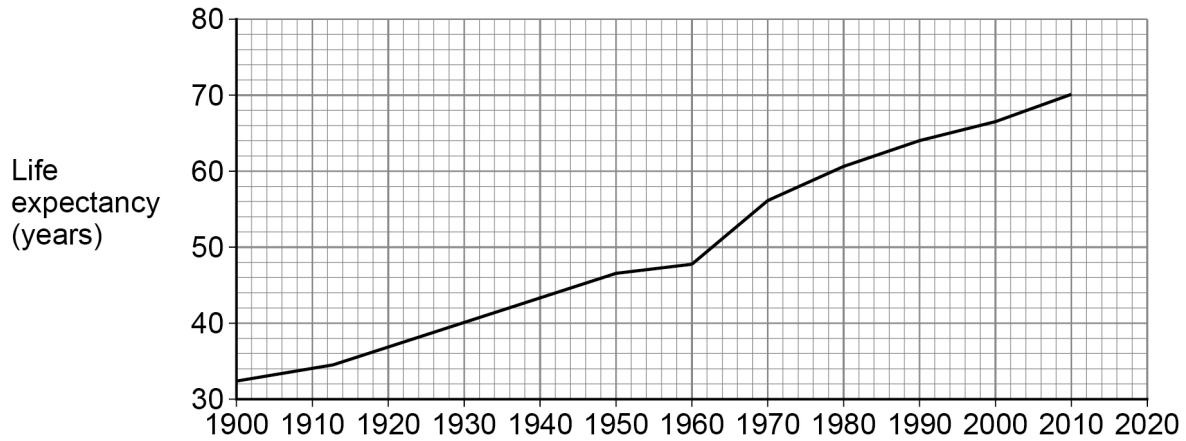
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Question 4 – Population and communication

Study **Figure 10**, a line graph showing global life expectancy (1900–2020).

Figure 10

0 4 . 1 Complete the line graph in **Figure 10** using the information below.

Global life expectancy 2020 – 74 years

[1 mark]

0 4 . 2 Describe the change in global life expectancy from 1900–2020.

[2 marks]

0 4 . 3

Explain how population change might impact economic development.

[4 marks]

0 4 . 4

Match the following terms with the correct definition by drawing a line between the two.

[2 marks]**Term****Definition**

Asylum seekers

People who have been given
international protection

Economic migrants

People who move to increase their
standard of living

Refugees

People asking for international
protection**Question 4 continues on the next page****Turn over ►**

To what extent has a strategy to manage population growth that you have studied been successful?

[illegible]

Question 4 continues on the next page

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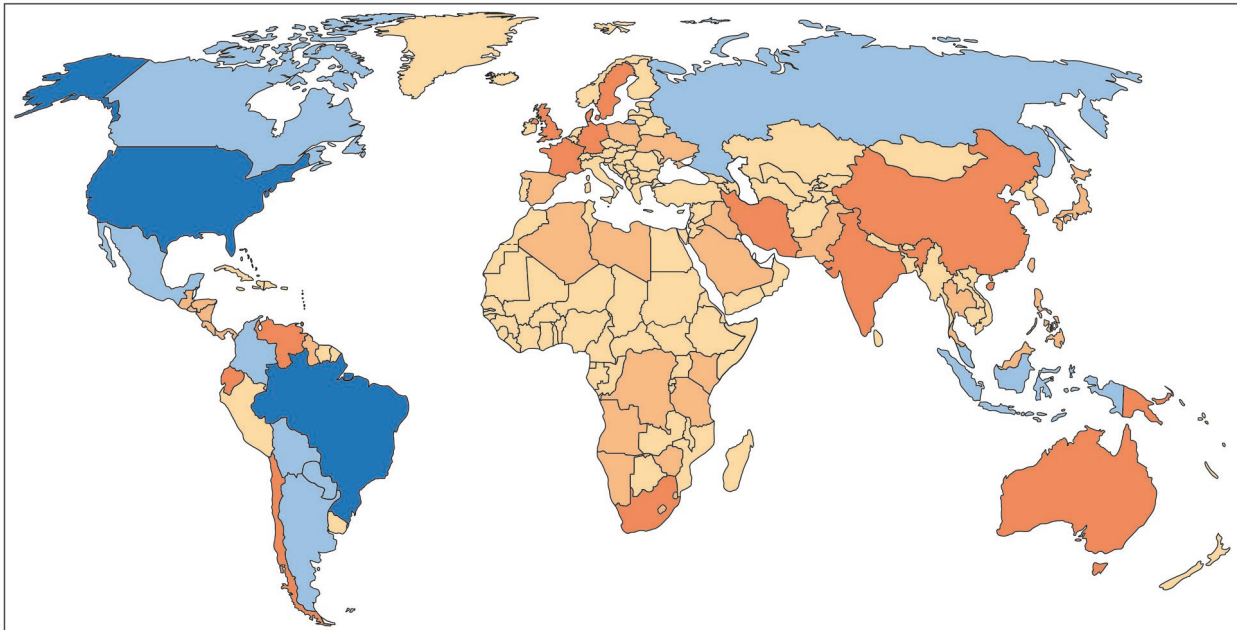
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Study **Figure 11**, a world map showing the number of airports in each country in 2021.

Figure 11



Key

Number of airports

	Less than 100
	100–300
	301–600
	601–2000
	Over 2000

0 4 . 6 Which continent had the lowest number of airports in 2021?

Shade **one** circle only.

[1 mark]

A Africa

☐

B Asia

☐

C Europe

☐

D North America

☐


0	4	.	7
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Describe the distribution of countries with 601–2000 airports.

[2 marks]

0	4	.	8
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Outline **two** ways that the development of airports might encourage the growth of manufacturing.**[4 marks]**

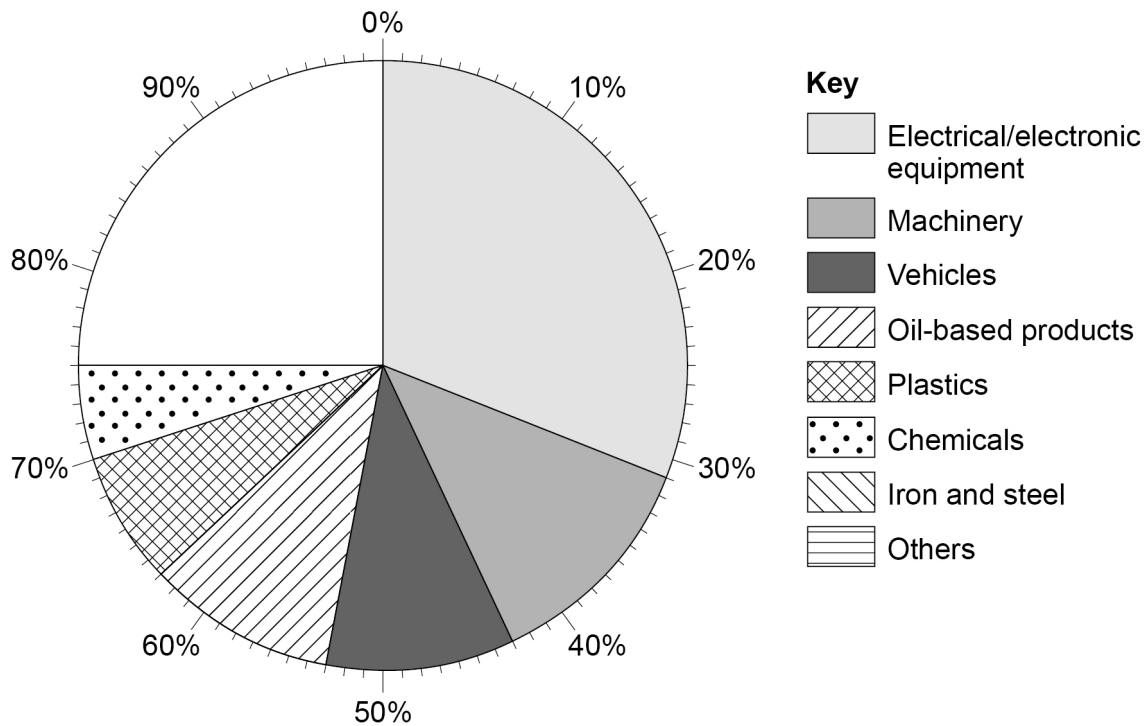
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Question 4 continues on the next page**Turn over ►**

Study **Figure 12**, a pie chart showing the exports of South Korea in 2021.

Figure 12



0 4 . 9

Complete the pie chart in **Figure 12** using the information below.

South Korea – proportion of exports

Iron and steel – 4%

Others – 21%

[2 marks]



‘Information Communication Technology (ICT) is an important factor in attracting Transnational Corporation (TNC) investment in NEEs.’

[6 marks]

[illegible]

30

END OF QUESTIONS



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[illegible]

[illegible]

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