

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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0448/02

For examination from 2028

1 hour 45 minutes

You will need: Insert (enclosed)
 Calculator
 Ruler

- Answer **three** questions in total
Section A: answer **two** questions.
Section B: answer Question 4.
- Use a black or dark blue pen.
- 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. Do **not** use correction fluid or tape.
- 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.

- 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.

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[Turn over

Section A

Answer **two** questions.

1 The natural environment of Pakistan

- (a) Study Figure 1.1 which shows the location of gypsum and limestone deposits in southern and western Pakistan.

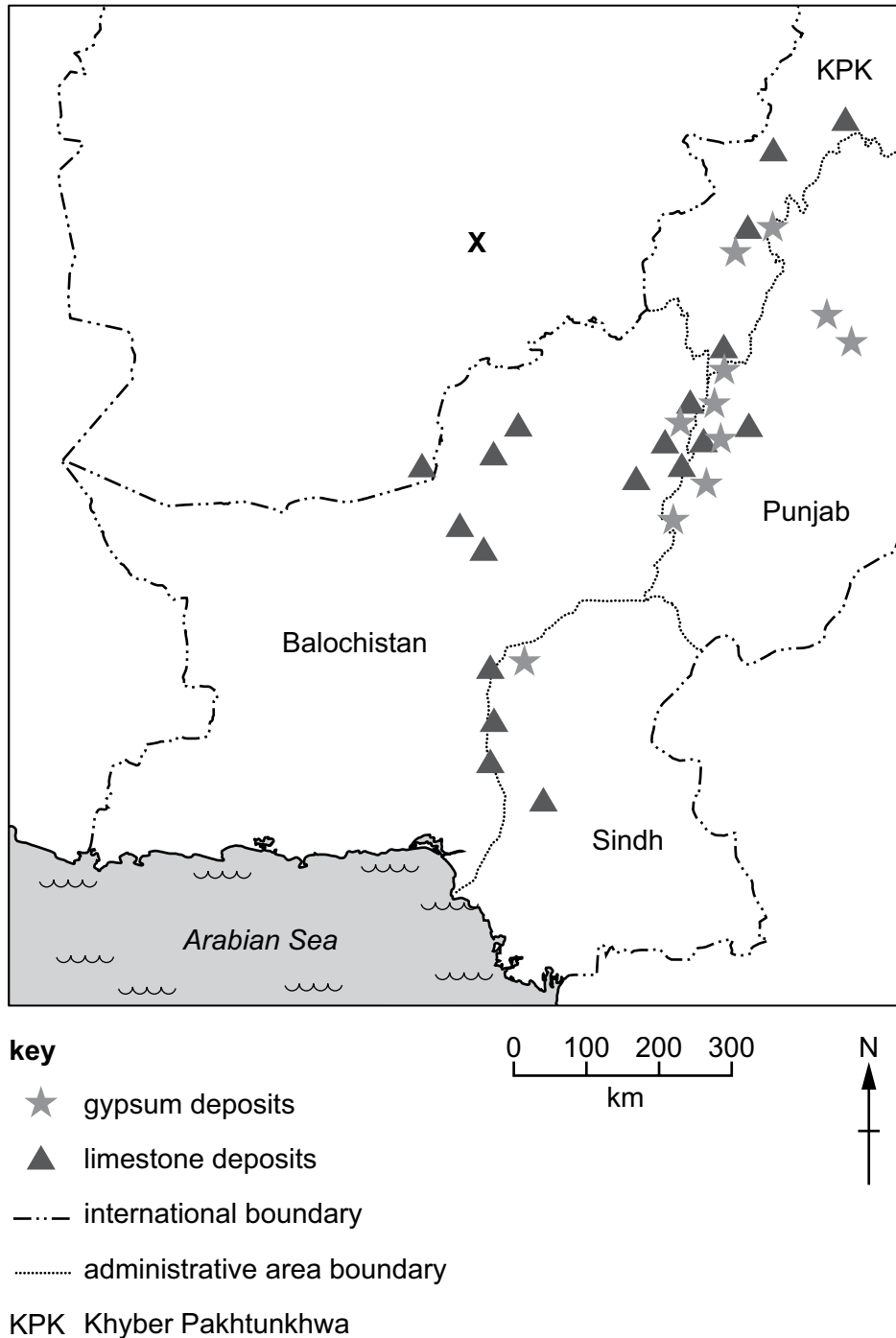


Figure 1.1

(i) Which country is labelled as **X** on Figure 1.1? Tick (✓) the correct answer.

- A** Afghanistan ☐
- B** China ☐
- C** India ☐
- D** Iran ☐

[1]

(ii) Use Figure 1.1 to compare the distribution of gypsum deposits and limestone deposits in Pakistan.

.....

.....

.....

..... [2]

(iii) Which process is gypsum used for in Pakistan? Tick (✓) the correct answer.

- A** cement production ☐
- B** energy generation ☐
- C** furniture manufacturing ☐
- D** jewellery making ☐

[1]

(iv) Define the term non-metallic mineral.

.....

..... [1]

(b) Study Figure 1.2 which shows climate information for Pakistan.

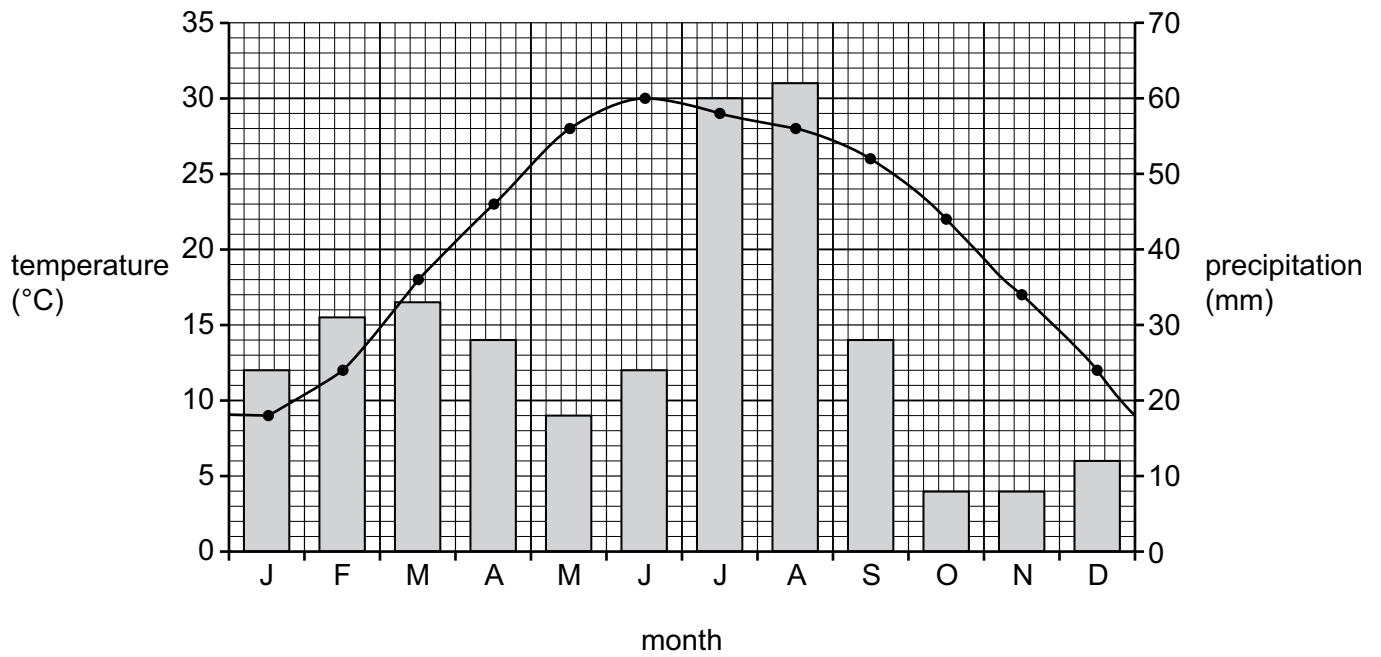


Figure 1.2

(i) Use Figure 1.2 to describe the main features of the climate.

Refer to data in your answer.

.....

.....

.....

.....

.....

..... [3]

(ii) Explain **two** factors that affect temperature in Pakistan.

1

.....

.....

.....

2

.....

[4]

(c) Assess the environmental value of forests for Pakistan.

.....

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.....

.....

..... [5]

[5]

(d) To what extent can water resources be managed sustainably in Pakistan?

Give reasons and examples to support your judgement.

[8]

[Total: 25]

Turn over

2 The people and places of Pakistan

- (a) Study Figure 2.1 which shows changes in Gross Domestic Product (GDP) per capita and death rate in Pakistan between 2012 and 2022.

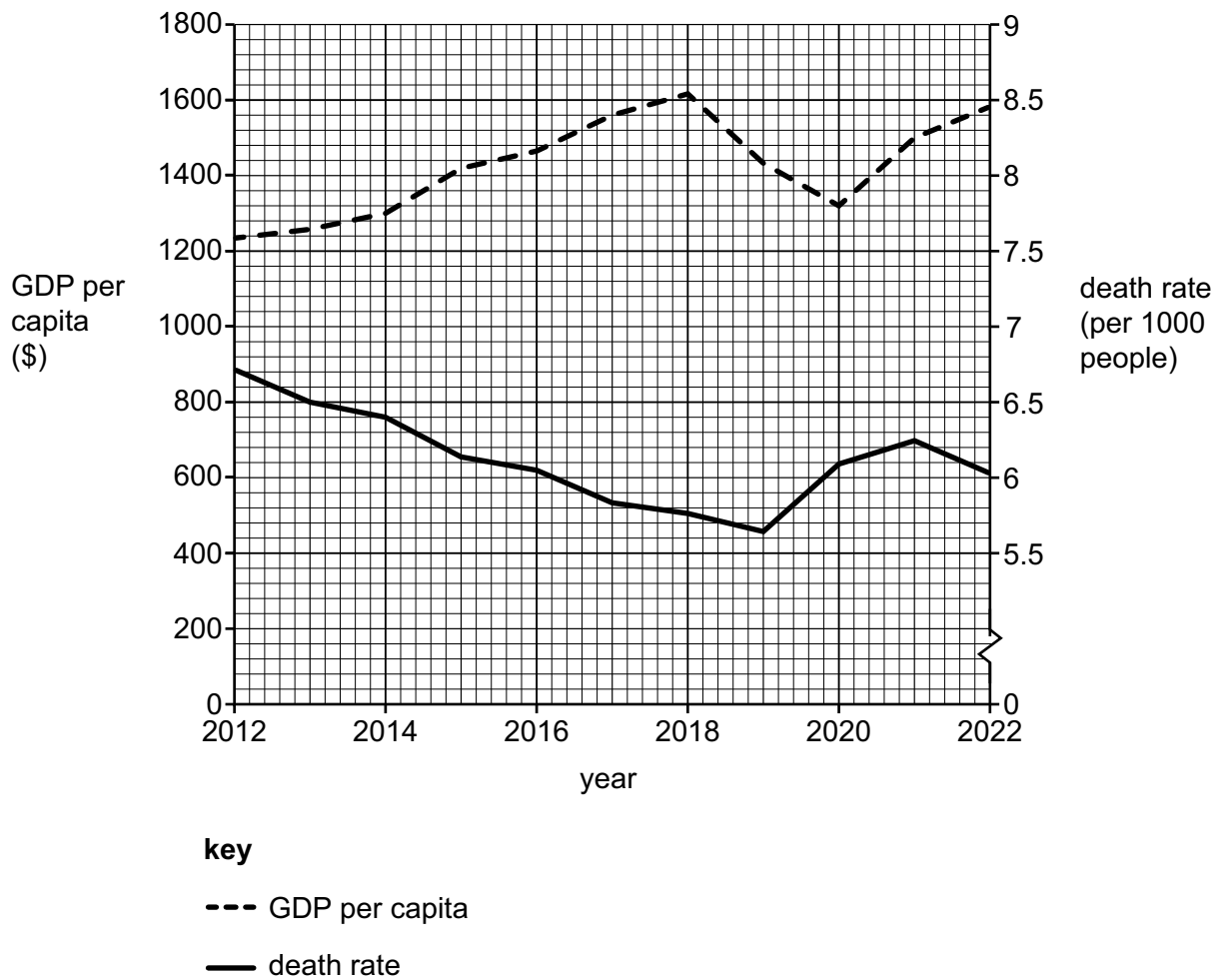


Figure 2.1

- (i) Figure 2.1 shows information about the death rate in Pakistan.

State **one** other component of population structure.

..... [1]

(ii) Which statement is the correct definition of GDP per capita? Tick (✓) the correct answer.

- | | | |
|----------|---|--------------------------|
| A | the difference in value of goods and services imported and exported by Pakistan | <input type="checkbox"/> |
| B | the quantity of goods and services consumed in the country, divided by the total population | <input type="checkbox"/> |
| C | the value of all goods and services produced in a country, divided by the total population | <input type="checkbox"/> |
| D | the value of all money earned by a country's population, both at home and abroad | <input type="checkbox"/> |

[1]

(iii) Use Figure 2.1 to describe the relationship between GDP per capita and death rate in Pakistan.

.....

.....

.....

..... [2]

(iv) Which stage of the Demographic Transition Model (DTM) shows a population with high birth rates and rapidly falling death rates? Tick (✓) the correct answer.

- | | | |
|----------|---------|--------------------------|
| A | Stage 1 | <input type="checkbox"/> |
| B | Stage 2 | <input type="checkbox"/> |
| C | Stage 3 | <input type="checkbox"/> |
| D | Stage 5 | <input type="checkbox"/> |

[1]

(b) Study Figure 2.2 (Insert) which shows part of an urban area in Pakistan.

(i) Identify **three** ways land is used in the urban area shown.

- 1
- 2
- 3

[3]

(ii) Explain **two** ways urbanisation creates opportunities for Pakistan.

..... [4]

(c) Assess the effectiveness of **one** approach to managing population growth in Pakistan.

..... [5]

- (d)** 'Social measures of development are the most useful for understanding quality of life in Pakistan'.

How far do you agree with this statement? Give reasons and examples to support your judgement.

[8]

[Total: 25]

3 Developing the economy of Pakistan

(a) Study Figure 3.1 which shows information on the balance of trade in Pakistan in 2021.



Figure 3.1

(i) Use Figure 3.1 to calculate the difference in value between imports and exports. Tick (✓) the correct answer.

- A** \$11.11 billion ☐
- B** \$21.11 billion ☐
- C** \$31.11 billion ☐
- D** \$41.11 billion ☐

[1]

(ii) Describe **two** ways transnational corporations (TNCs) are important for Pakistan's economy.

- 1
-
- 2
-

[2]

(iii) What is a feature of export processing zones (EPZs)? Tick (✓) the correct answer.

- | | |
|--|--------------------------|
| A higher trading tariffs | <input type="checkbox"/> |
| B increased irrigation facilities | <input type="checkbox"/> |
| C limited transport networks | <input type="checkbox"/> |
| D reduced customs duties | <input type="checkbox"/> |

[1]

(b) Study Figure 3.2 which shows the proportion of different energy sources used to generate electricity for Pakistan in 2003 and 2023.

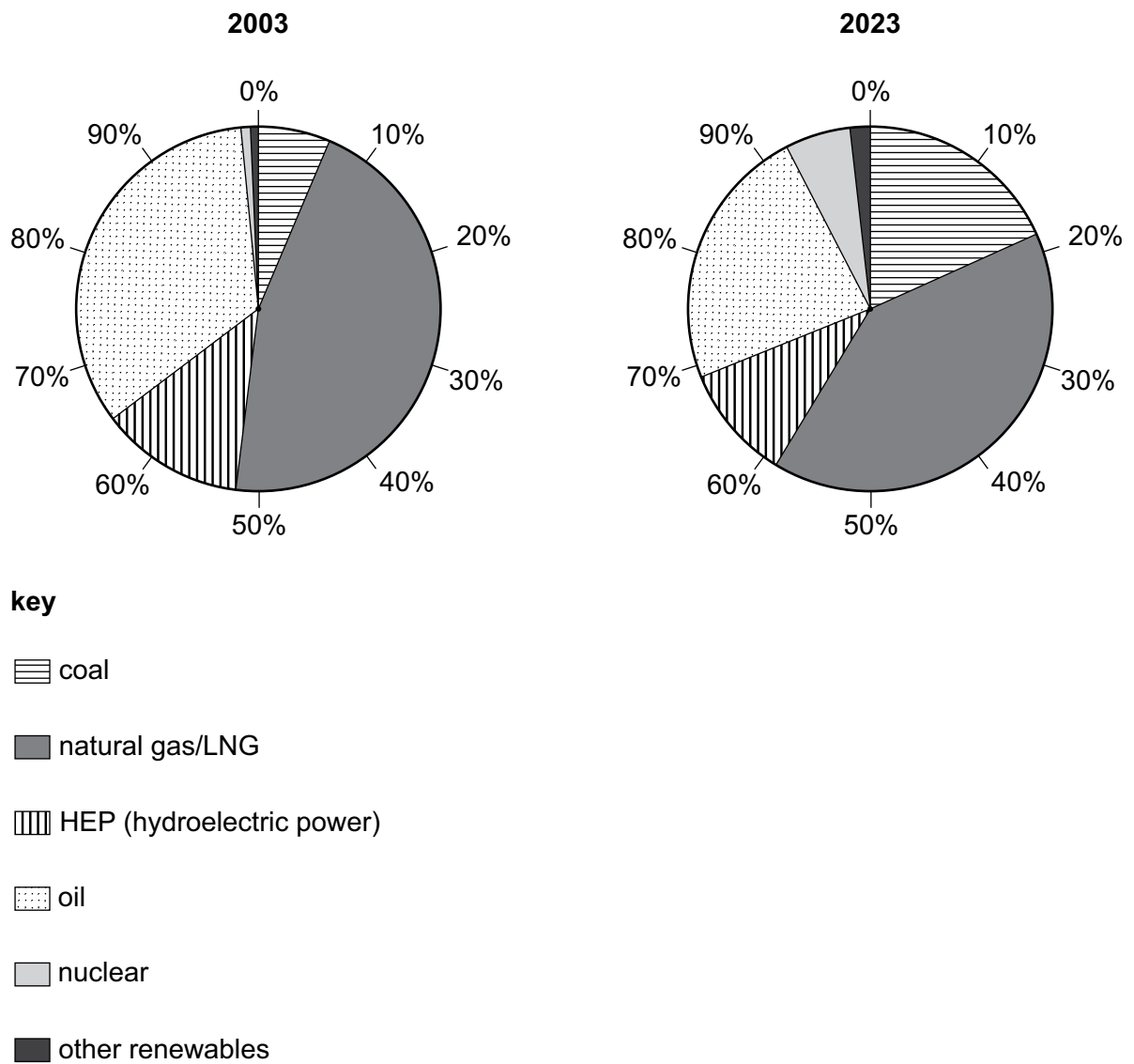


Figure 3.2

- (i) Use Figure 3.2 to complete the statement about the use of coal as an energy source in Pakistan. Choose the correct word or phrase and place it in the space provided.

decreased increased stayed the same

The proportion of coal used to generate electricity has
between 2003 and 2023. [1]

- (ii) Use Figure 3.2 to describe changes to the use of **two** energy sources, other than coal, between 2003 and 2023.

Refer to data in your answer.

.....
.....
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.....
.....
..... [3]

- (iii) Explain **two** ways Pakistan is improving its energy security.

1
.....
.....
.....
2
.....
.....
..... [4]

(c) Assess the advantages of **one** approach used to increase food security in Pakistan.

[5]

- (d)** Evaluate the view that tourism creates more opportunities than challenges for Pakistan.

Give reasons and examples to support your judgement.

..... [8]

[Total: 25]

Section B

Answer Question 4.

4 Making a decision

(a) Study Figure 4.1 (Insert) which shows an area in Pakistan that is experiencing urban growth.

(i) Use Figure 4.1 to identify **two** natural landforms that are limiting the growth of the urban area shown.

1

2

[2]

(ii) State **two** causes of urban growth in Pakistan.

1

2

[2]

(iii) Describe how urban growth increases the demand for energy.

.....

.....

.....

.....

.....

..... [3]

(b) Study Figure 4.2 (Insert) which shows the number of homes affected by flooding in Sindh in 2022.

(i) Use Figure 4.2 to describe the distribution of homes affected by flooding.

Refer to data in your answer.

.....

.....

.....

.....

.....

..... [3]

(ii) State **two** economic impacts of flooding.

1

2 [2]

(c) Study Figure 4.3 which shows some responses to climate change in Pakistan.

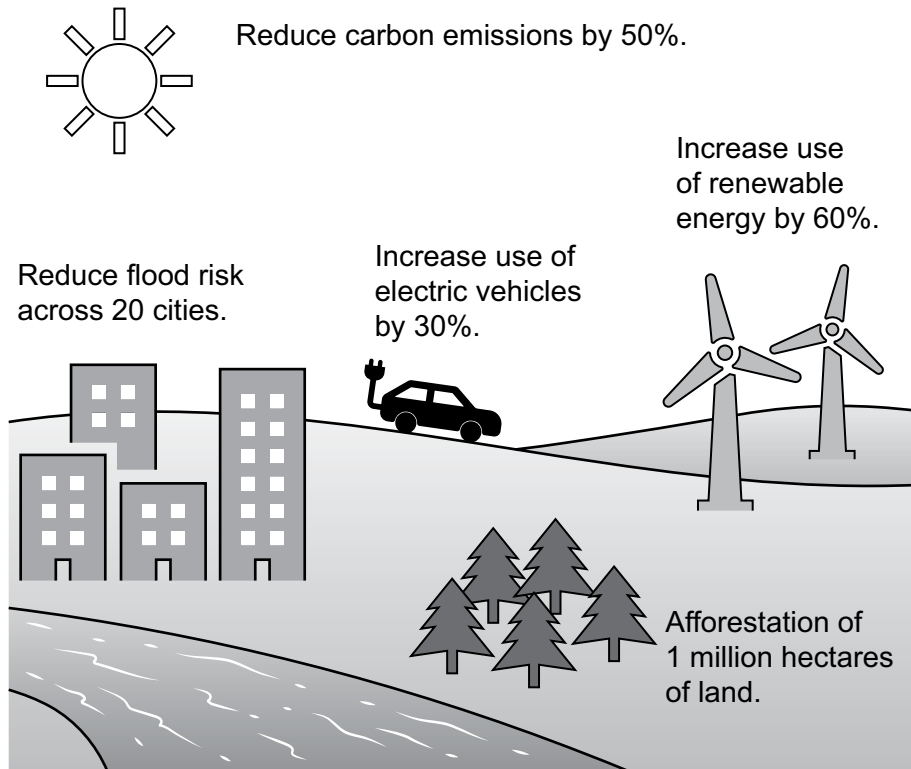


Figure 4.3

(i) Use Figure 4.3 to identify **one** way Pakistan aims to reduce carbon emissions.

..... [1]

(ii) Suggest why having a national plan to manage climate change is important for Pakistan.

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..... [4]

- (d)** Study Figure 4.4 (Insert) which shows possible ways of mitigating and adapting to climate change.

Two options have been proposed to help urban areas in Pakistan respond to the challenges of climate change.

Option A: Invest more in renewable energy.

Option B: Develop stronger flood defences.

Choose the option you think is likely to be the most effective. Justify your decision.

Use information from Figures 4.1, 4.2, 4.3 and 4.4, and your own knowledge and understanding of the environment of Pakistan, to support your answer.

option chosen

justification

[illegible]

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.....

.....

[8]

[Total: 25]

Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

[illegible]

This image shows a full page of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Question 1, Figure 1.1	© <i>Map of Pakistan showing main cement raw resources (limestone, shale/clay, gypsum), agrominerals (rock phosphate, gypsum), marble, construction, dimension and décor stone resources (marble, dolomite, conglomerate and gravels, igneous rocks) of Pakistan</i> ; M. Sadiq Malkani; CC BY 4.0; https://creativecommons.org/licenses/by/4.0/
Question 2, Figure 2.2	© Ref: 819330826; Amir Mukhtar; <i>An aerial view of liberty area, Punjab, Pakistan</i> ; www.getty.co.uk
Question 4, Figure 4.1	© <i>Envisat radar image of a city on the Arabian Sea</i> ; ESA; CC BY-SA 3.0 IGO; https://creativecommons.org/licenses/by-sa/3.0/igo/
Question 4, Figure 4.2	From 2022 Floods Response Plan Pakistan, by United Nations Office for the Coordination of Humanitarian Affairs (OCHA) on behalf of the Humanitarian Country Team and its partners. © United Nations 2022. Reprinted with the permission of the United Nations.
Question 4, Figure 4.4	© Ref: 2155223516; Amir Mukhtar; <i>Photovoltaic Solar panels installed on rooftop of houses in the city or urban area</i> ; www.getty.co.uk
Question 4, Figure 4.4	© Ref: 1708689711; Amir Mukhtar; <i>Mini Hydro power plant for local electricity production and small dam for water storage</i> ; www.getty.co.uk

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