Cambridge Assessment International Education

Cambridge O Level

CANDIDATE NAME	

CENTRE NUMBER						CANDIDATE NUMBER				

2001709109

PAKISTAN STUDIES **2059/02**

Paper 2 The Environment of Pakistan **May/June 2022**

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)
Ruler

INSTRUCTIONS

- Answer **three** questions.
- 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 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.

This document has **20** pages.

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1 **(a)** **(i)** Study Fig. 1.1, a map of southern and western Pakistan.

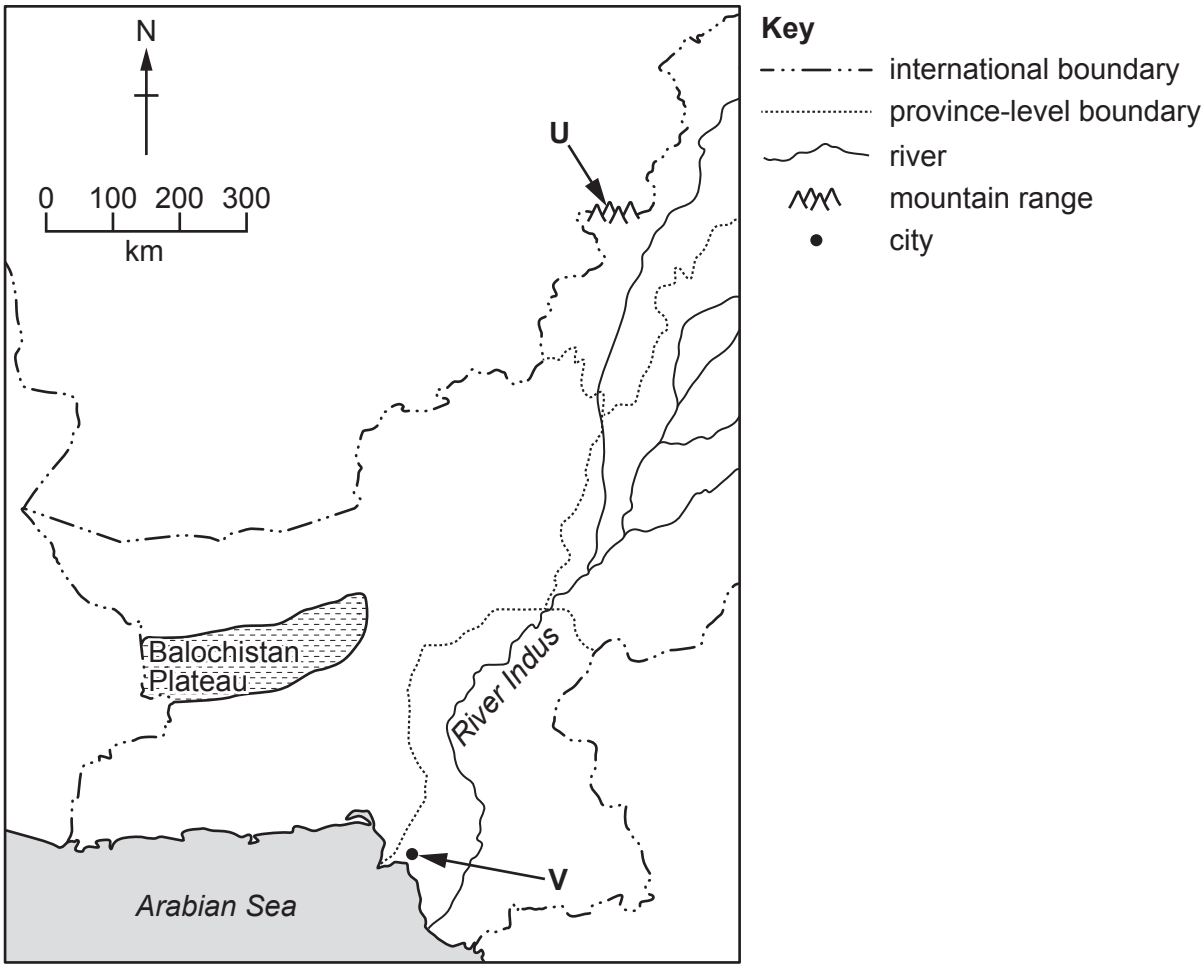

Fig. 1.1

Name landform **U** and city **V** shown in Fig. 1.1.

U .....

V .....

[2]

(ii) Suggest **two** reasons why it may be difficult to develop a large airport on the Balochistan Plateau.

1 .....

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2 .....

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[2]

(iii) Study Fig. 1.2 (Insert), a map showing the location of the airport in Peshawar. Using Fig. 1.2 **only**, describe the location of the airport.

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..... [3]

(iv) State **two** improvements that have recently taken place in air communications in Pakistan.

1 .....

2 .....

[2]

(b) (i) Describe **two** features of large-scale industry.

1 .....

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2 .....

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[2]

(ii) Using Fig. 1.2 (Insert) **and** your own knowledge, suggest **two** advantages of locating a new large-scale industry at **W**.

1 .....

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2 .....

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[4]

(c) Explain how large-scale industries can increase economic development in Pakistan. You should develop your answer.

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..... [4]

(d) The development of international transport links can help to promote further economic growth in Pakistan. Read the following two views:

A

Building new international airports in Pakistan has the most potential to increase trade and development.

B

Improving existing international seaports in Pakistan has the most potential to increase trade and development.

Which view do you agree with more? Give reasons to support your answer and refer to examples you have studied. You should consider view A **and** view B in your answer.

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[Total: 25]

2 **(a)** **(i)** Study Fig. 2.1, a map showing three desert areas in southern and western Pakistan.

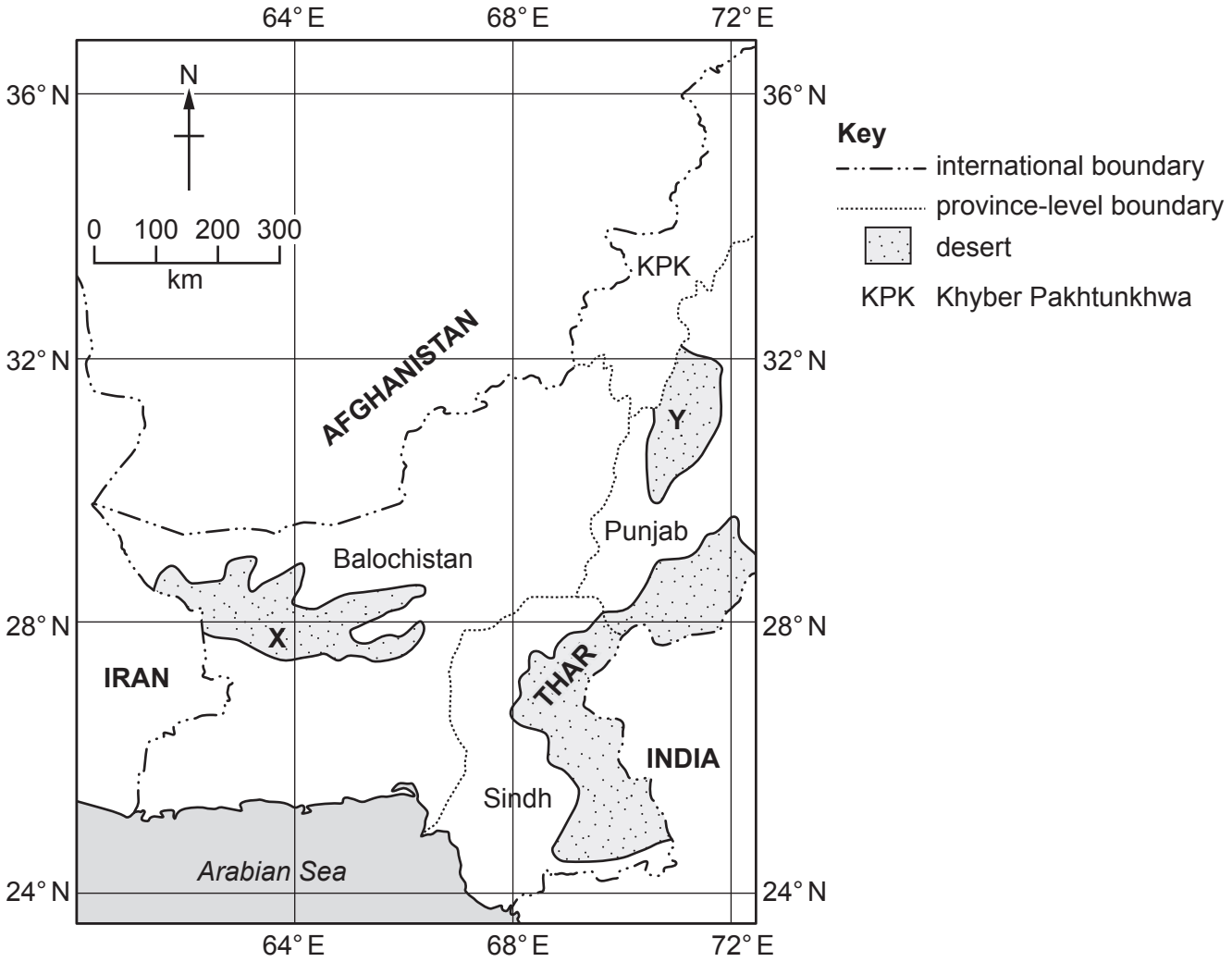

Fig. 2.1

Name **either** desert **X or** desert **Y**.

letter chosen ..... name of desert ..... [1]

(ii) Using Fig. 2.1 **only**, describe the location of the desert named in **(a)(i)** above.

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..... [3]

(iii) Study Fig. 2.2 (Insert), a photograph of part of the Thar desert. Using Fig. 2.2 **only**, state **two** features of the desert shown.

1 .....

2 .....

[2]

(b) Explain how desert areas influence the development of road networks in Pakistan. You should develop your answer.

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..... [4]

(c) **(i)** Describe the effect of latitude on day length and temperature in Pakistan.

day length .....

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.....

.....

temperature .....

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.....

.....

[4]

(ii) Which of the following factors cause seasonal variations in Pakistan's climate? Tick (✓) **two** boxes in the table below:

factor	tick (✓)
air pressure	
land use	
rainfall	
soil type	
temperature	
water quality	
wind direction	

[2]

(iii) Describe the characteristics of an arid climate in Pakistan.

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..... [3]

(d) In 2019, more than 1.2 million people experienced food shortages in the south of Pakistan due to drought.

Evaluate the extent to which extremes of climate influence the lives of people and the economy in Pakistan. Give reasons to support your **judgement** and refer to examples you have studied. You should consider different points of view in your answer.

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[Total: 25]

3 **(a)** **(i)** Study Fig. 3.1, a diagram showing three methods of coal extraction.

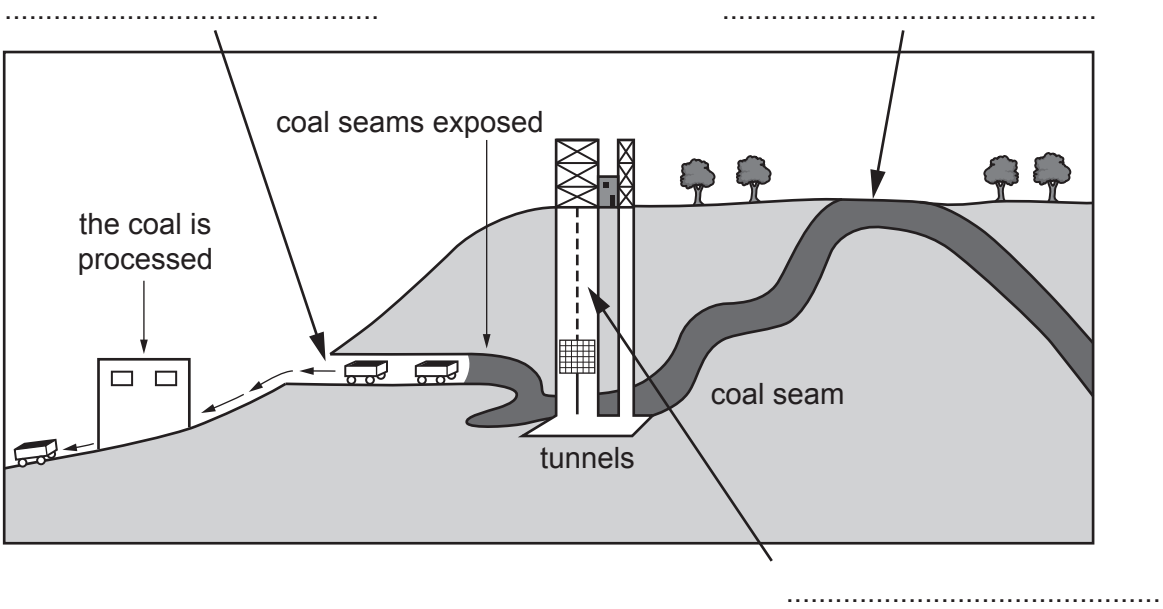

Fig. 3.1

Name the **three** methods of coal extraction shown in Fig. 3.1 in the spaces provided. [3]

(ii) Study Fig. 3.2 (Insert), a photograph of a mine in Pakistan. Using Fig. 3.2 **only**, identify **two** features of the mine shown.

1 .....

2 .....

[2]

(iii) Suggest how coal is extracted from the type of mine shown in Fig. 3.2.

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..... [2]

(b) **(i)** Define 'renewable' and 'non-renewable'.

renewable .....

.....

non-renewable .....

.....

[2]

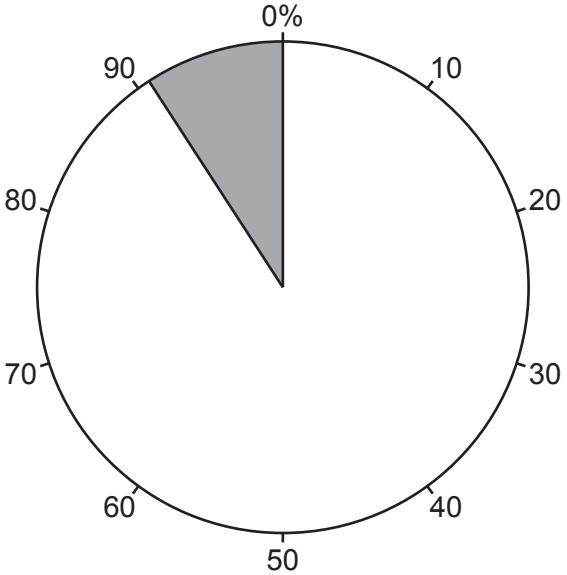
(ii) **Complete** the table to classify by type (renewable or non-renewable), the energy resources listed below.

coal gas hydel oil solar wind

renewable	non-renewable

[3]

(iii) Study Fig. 3.3, a pie chart showing the percentage share by value of Pakistan's energy sources.



Key

source of energy		%
	fossil fuels	64
	hydel	27
	nuclear power and other renewables	9

Fig. 3.3

Complete Fig. 3.3 using the information in the key. [3]

(c) Explain **one** advantage and **one** disadvantage of generating electricity using solar power. You should develop your answer.

advantage .....

.....

.....

.....

disadvantage .....

.....

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.....

[4]

(d) Pakistan plans to generate 60 per cent of its power using renewable energy by 2030, yet coal-fired power stations are being rapidly developed. In 2016 there was one coal-fired power station and by 2019 there were nine, providing 15 per cent of Pakistan's electricity supply.

To what extent is it possible for Pakistan to generate more of its power from renewable energy? Give reasons to support your **judgement** and refer to examples you have studied. You should consider **different** points of view in your answer.

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[Total: 25]

4 (a) (i) **Complete** the table to define the **three** main types of farming in Pakistan.

type	definition
.....	farming is the growing of crops for sale.
.....	farming is the production of food and raw materials from animals.
.....	farming is the production of food mainly for personal consumption.

[3]

(ii) Study Fig. 4.1, a map showing the areas in southern and western Pakistan where one type of livestock is mainly kept.

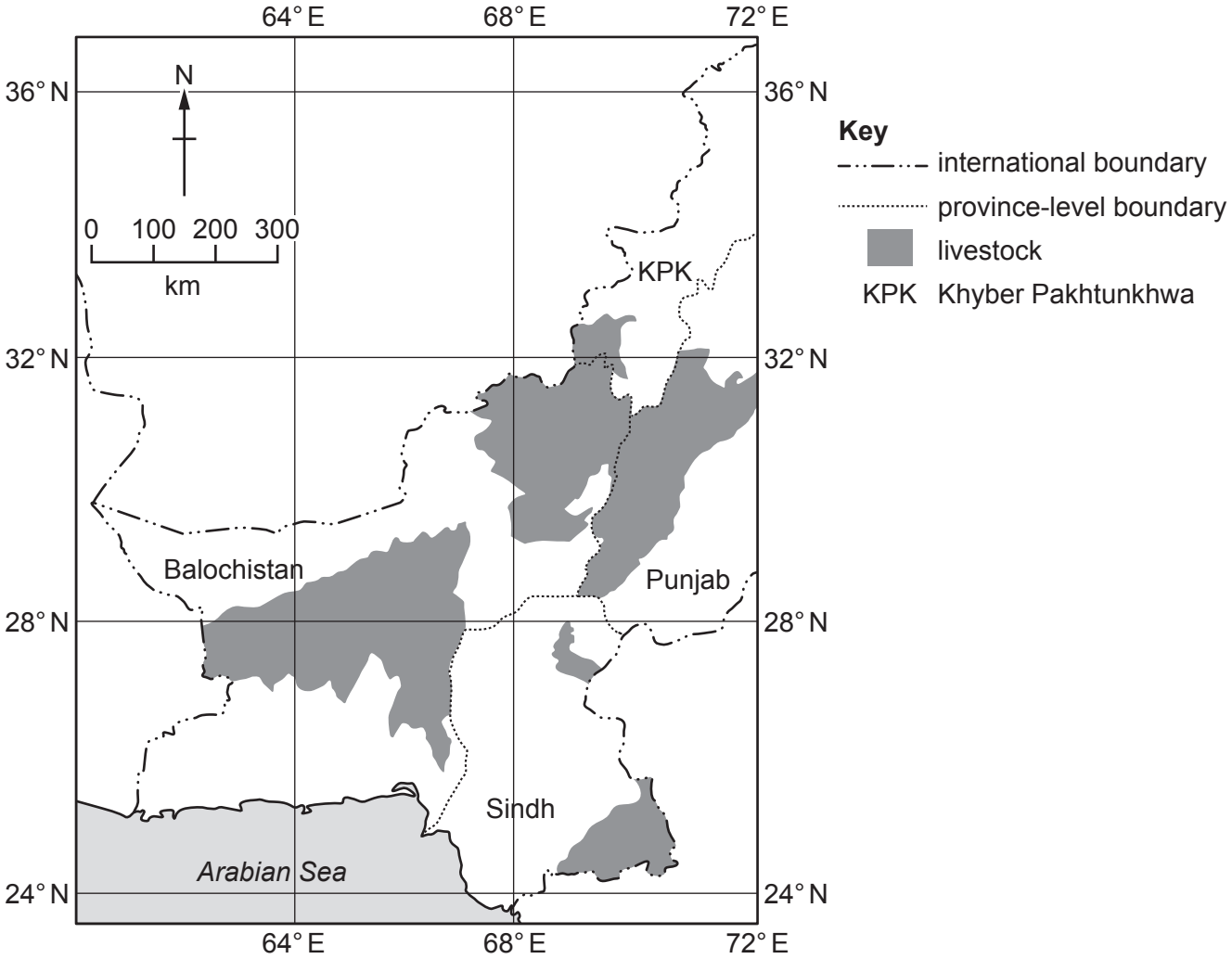

Fig. 4.1

State the type of livestock mainly kept in the areas shown in Fig. 4.1.

..... [1]

(iii) Using Fig. 4.1 **only**, describe the distribution of the areas within southern and western Pakistan where the livestock is mainly kept.

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..... [3]

(b) (i) Study Fig. 4.2, a divided bar graph showing the percentage share by value of major crops grown in Pakistan.

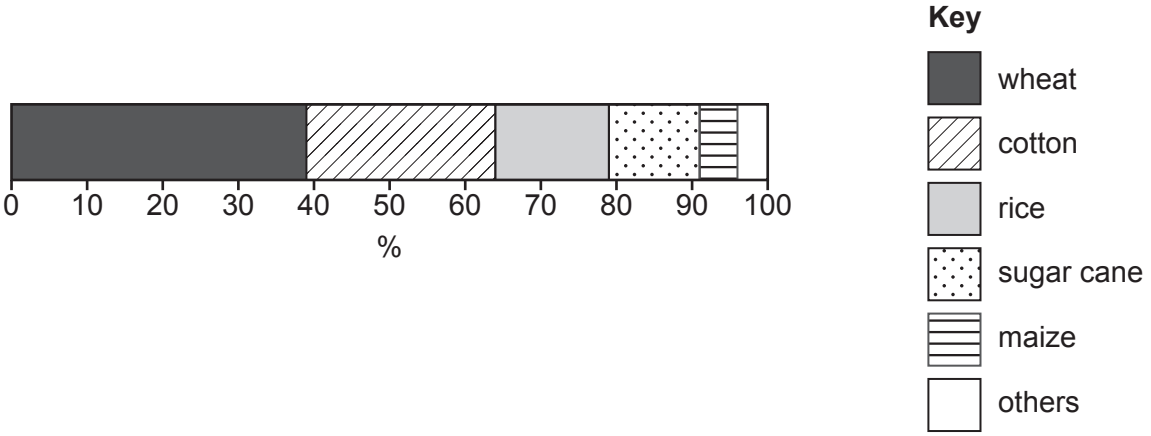

Fig. 4.2

Using the information in Fig. 4.2 **only**:

– which crop accounts for a quarter of the value of major crops? ..... [1]

– what is the percentage share of sugar cane? ..... % [1]

(ii) State **one** major use for each of the crops below:

cotton .....

rice .....

tobacco .....

[3]

(c) **(i)** Explain how the natural factors of soil and climate affect the growth of cotton. You should develop your answer.

soil .....

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climate .....

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[4]

(ii) **Complete** the passage below about tobacco farming in Pakistan. Choose the correct words from the list and place them in the spaces provided.

Azad Jammu & Kashmir (AJ&K) Balochistan domestic

export Gilgit-Baltistan import

Khyber Pakhtunkhwa (KPK) Punjab Sindh

Tobacco is mainly grown in ..... and ..... . The varieties of tobacco grown on fertile soils with irrigation facilities are for the ..... market.

[3]

(d) Water is a valuable resource for development, yet Pakistan faces acute water shortages. 2600–5300 litres of water per day are needed to grow enough food for one person compared with 50 litres of water being needed per person per day for domestic use.

Evaluate the extent to which the use of water in agriculture in Pakistan can be made more sustainable. Give reasons to support your **judgement** and refer to examples you have studied. You should consider **different** points of view in your answer.

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[Total: 25]

5 **(a)** **(i)** Define 'population distribution'.

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(ii) Study Fig. 5.1 (Insert), a map showing average annual population change by district in southern and western Pakistan between 1998 and 2017.

Using Fig. 5.1 **only**, describe the distribution of the districts within southern and western Pakistan with over 4 per cent annual population change.

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..... [3]

(iii) Suggest **two** reasons for the annual population change of the district labelled **Z** in Fig. 5.1.

1 .....

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2 .....

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[2]

(b) **(i)** Study Fig. 5.2 (Insert), a photograph of part of a tent city in Pakistan.

Using Fig. 5.2 **only**, describe **two** features of the area shown.

1 .....

.....

2 .....

.....
[2]

(ii) State **two** reasons for the growth of tent cities in Pakistan.

1 .....

2 ..... [2]

(iii) Describe **four** problems faced by many people living in tent cities.

1 .....

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2 .....

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3 .....

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4 .....

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[4]

(c) Explain **two** strategies which could be used to improve living conditions in existing tent cities in Pakistan. You should develop your answer.

1 .....

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2 .....

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[4]

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(d) Read the following two views about approaches that could be taken to further develop Pakistan's economy.

A

Reducing death rates and the spread of disease in Pakistan is the best way to develop the economy further.

B

Improving literacy rates and educational provision in Pakistan is the best way to develop the economy further.

Which view do you agree with more? Give reasons to support your answer and refer to examples you have studied. You should consider view A **and** view B in your answer.

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[Total: 25]

Additional page

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

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