



Cambridge O Level

CANDIDATE NAME



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PAKISTAN STUDIES

2059/02

Paper 2 The Environment of Pakistan

October/November 2024

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 page at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

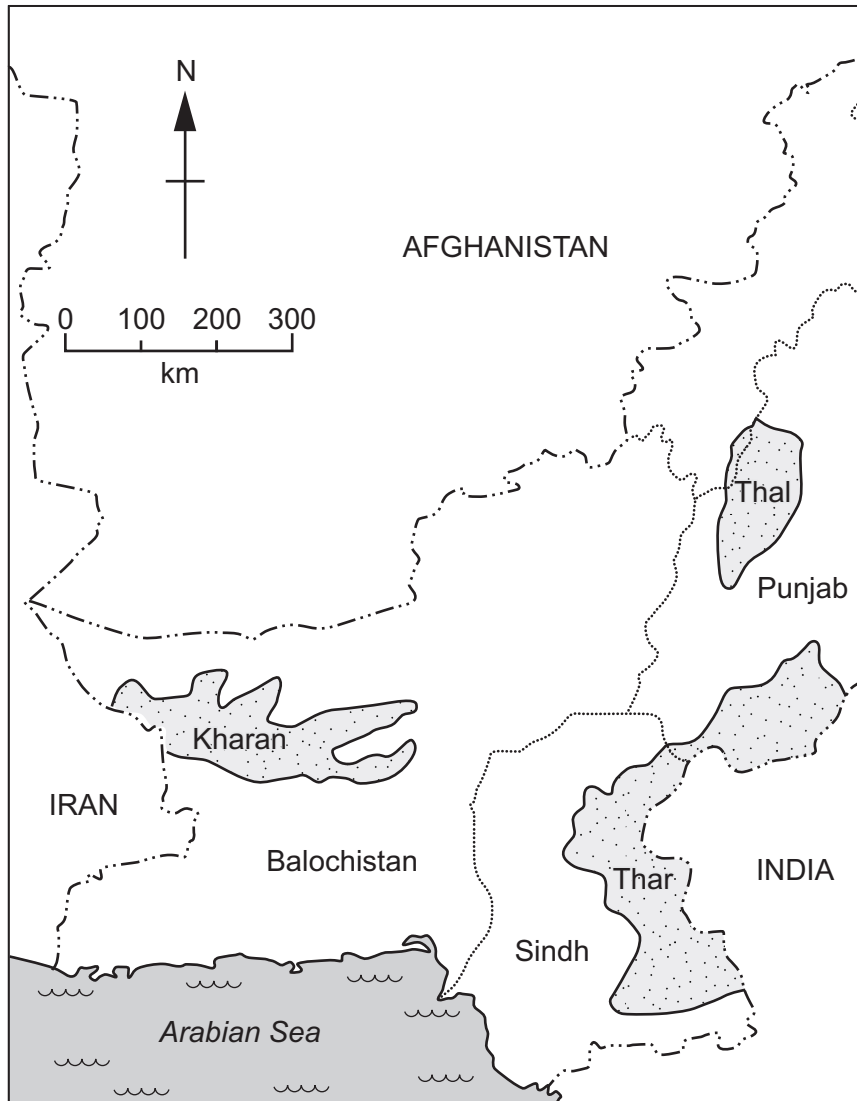
- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

This document has **24** pages. Any blank pages are indicated.





1 (a) (i) Study Fig. 1.1, a map showing the locations of three deserts in southern and western Pakistan.



Key

- international boundary
- province-level boundary
- desert

Fig. 1.1

Using Fig. 1.1 **only**, estimate the distance from east to west across the Kharan desert.

Circle the correct answer.

- 150 km
- 400 km
- 650 km

[1]

(ii) Using Fig. 1.1 **only**, identify the desert which is:

- north-east of the Kharan desert
- located along the international border with India

[2]





(iii) Describe **two** natural features of a desert landscape in Pakistan.

1

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2

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[2]

(iv) Give **two** reasons why it is difficult to live in a desert in Pakistan.

1

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2

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[2]

(b) (i) Study Figs. 1.2 and 1.3 (Insert), photographs of two different types of forest in Pakistan.

Using Figs. 1.2 and 1.3 **only**, identify **two** differences between the forests shown.

1

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2

.....

[2]

(ii) Explain **two** physical factors that can affect the distribution of forests in Pakistan. You should develop your answer.

1

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2

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[4]

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(iii) Describe the importance of forests to people living in Pakistan.

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..... [2]

(c) (i) Define 'deforestation'.

.....

..... [1]

(ii) State **three** effects of deforestation in Pakistan.

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3

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2 (a) (i) Study Fig. 2.1 (Insert), a map of southern Pakistan.

Name the cities labelled **X**, **Y** and **Z** on Fig. 2.1.

X

Y

Z

[3]

(ii) Using Fig. 2.1 **only**, describe the distribution of barrages shown.

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

(iii) Give **one** reason for building a barrage and **one different** reason for building a dam.

barrage

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dam

..... [2]

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(b) (i) Study Fig. 2.2, a bar graph showing the minimum water requirements for selected crops in Pakistan.

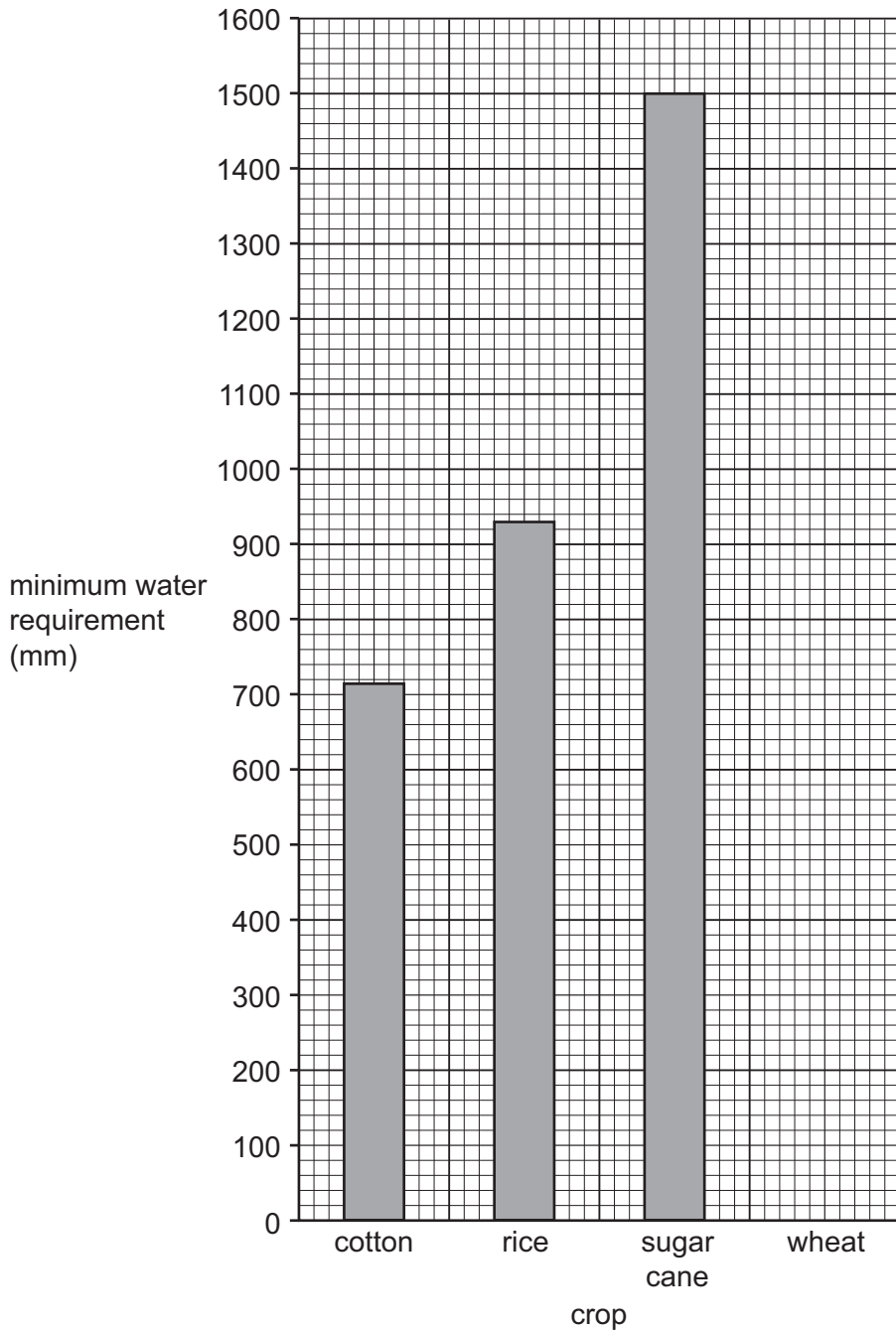


Fig. 2.2

Complete Fig. 2.2, using the information in the table.

crop	minimum water requirement (mm)
wheat	410

[1]

(ii) Calculate the difference between the minimum water requirements for sugar cane and rice.

..... mm

[1]

[Turn over]



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(iii) **Complete** Fig. 2.3 by using arrows to match the type of irrigation with the correct description. An example has been done for you.

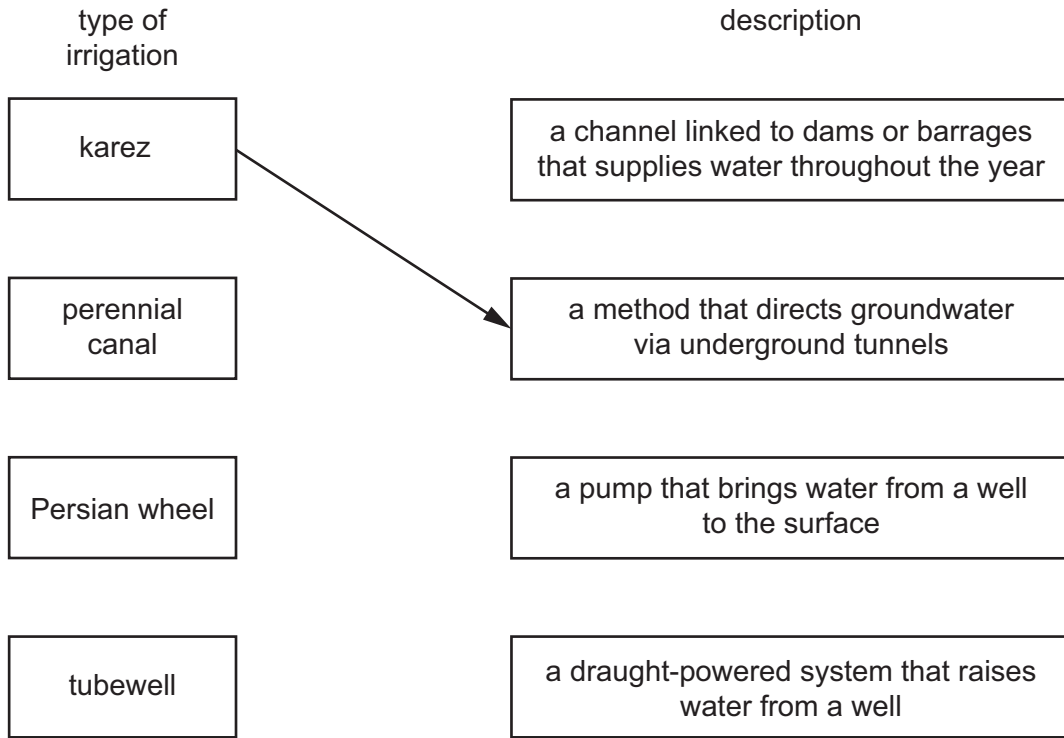


Fig. 2.3

[2]

(iv) Explain **two** ways agricultural practices can damage the natural environment. You should develop your answer.

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[4]

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(c) (i) What is 'land reform'?

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..... [1]

(ii) Suggest how land reforms could increase agricultural production in Pakistan.

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(d) Read the following two views about initiatives that have been implemented to increase agricultural production in Pakistan:

A

Education and training have had the most impact on agricultural production.

B

Improved seeds have had the most impact on agricultural production.

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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[6]

[Total: 25]



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3 (a) (i) Study Fig. 3.1 (Insert), a map of average wind speeds in southern and western Pakistan.

The locations labelled **U, V, W, X, Y, Z** on Fig. 3.1 are possible sites for generating wind power. Identify the **two** possible sites with the least potential for generating wind power.

1

2

[2]

(ii) Using Fig. 3.1 **only**, describe the distribution of areas with very high wind speeds.

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

(iii) Describe **two** advantages of using wind power to generate electricity in Pakistan.

1

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2

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[2]

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(iv) Study Fig. 3.2, a diagram showing how wind power is used to generate electricity.

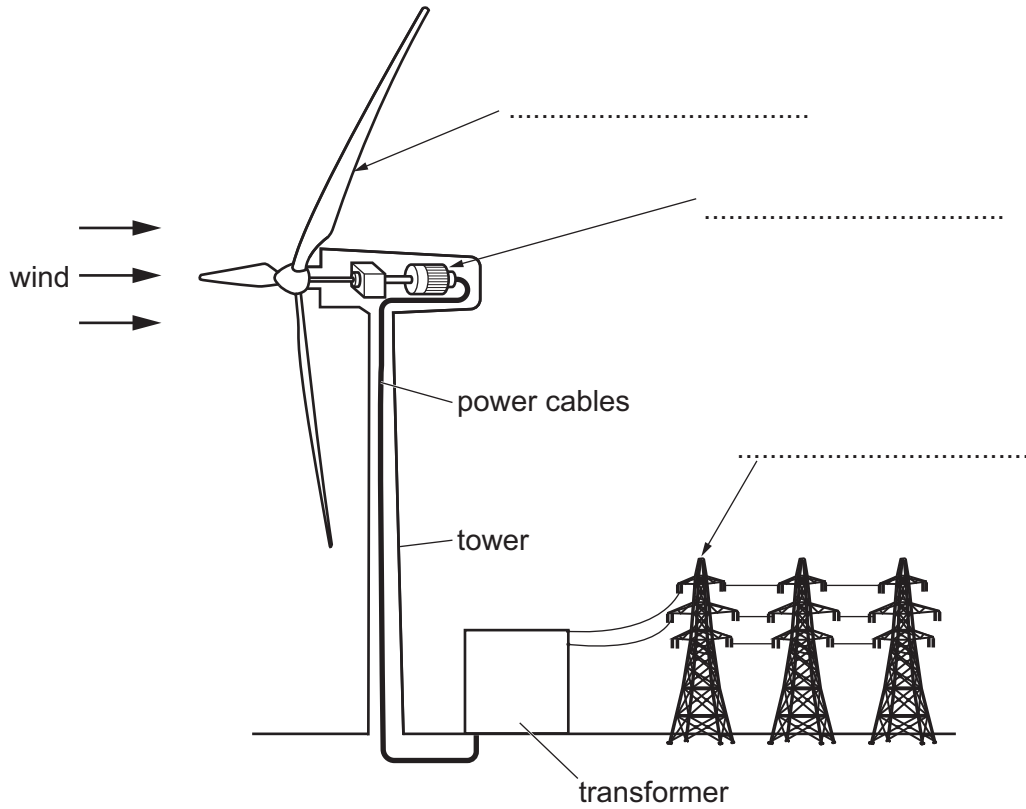


Fig. 3.2

Complete the labels on Fig. 3.2 in the spaces provided. [2]

(b) (i) Oil is a non-renewable fuel. Name **one** other non-renewable fuel. [1]

.....

(ii) Describe how crude oil is extracted. [3]

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(c) (i) State **two** methods used to transport oil over land in Pakistan.

1

2

[2]

(ii) Explain why it is necessary to import large amounts of oil to Pakistan. You should develop your answer.

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[4]

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4 (a) (i) Study Fig. 4.1, a line graph showing information about population change in Pakistan from 1950 to 2020.

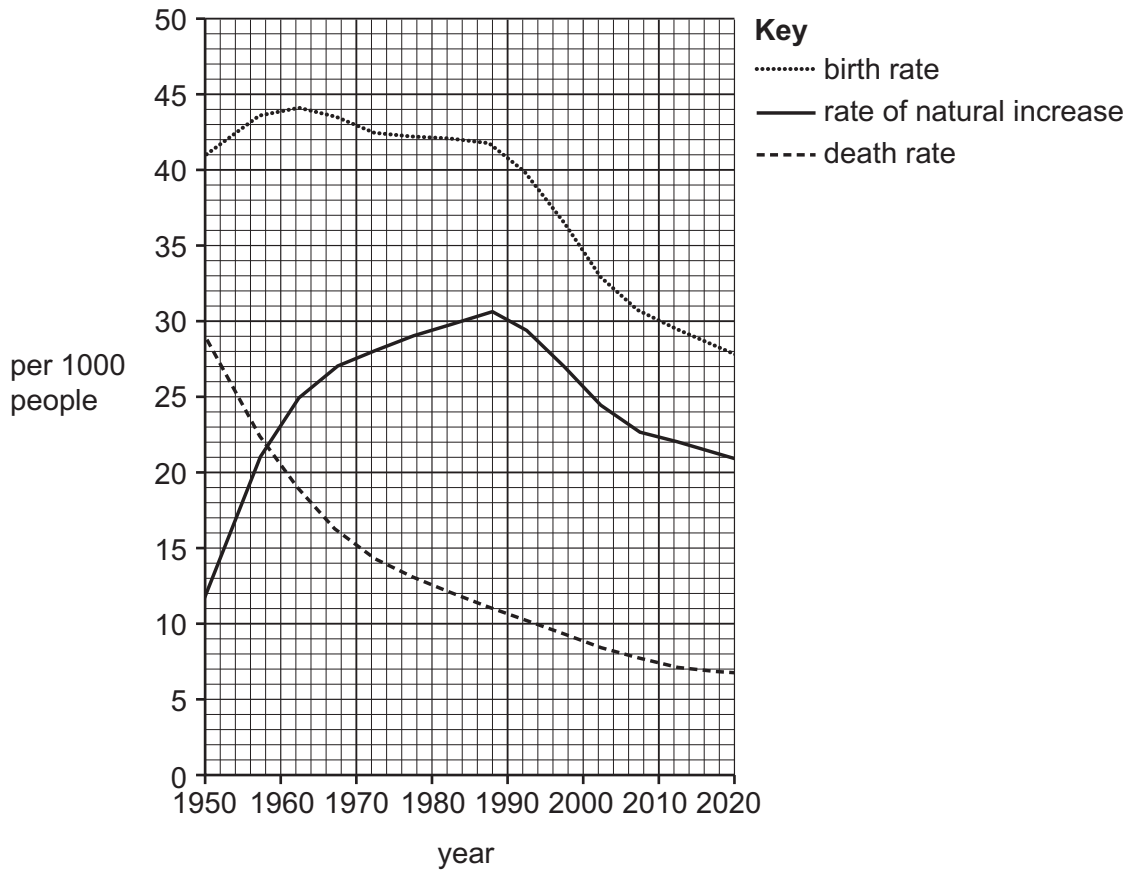


Fig. 4.1

Using Fig. 4.1 **only**, identify the:

- birth rate in 1950 per 1000 people
 - death rate in 2010 per 1000 people
 - year with the highest rate of natural increase
- [3]

(ii) State how the rate of natural increase is calculated.
..... [1]

(iii) State **two** impacts of an increasing percentage of older dependents (people aged 60 and over) in Pakistan's population structure.
1
.....
2
..... [2]



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(b) (i) Study Fig. 4.2, a bar graph showing the net migration rate for Pakistan between 1981 and 2021.

net migration = number of immigrants – number of emigrants

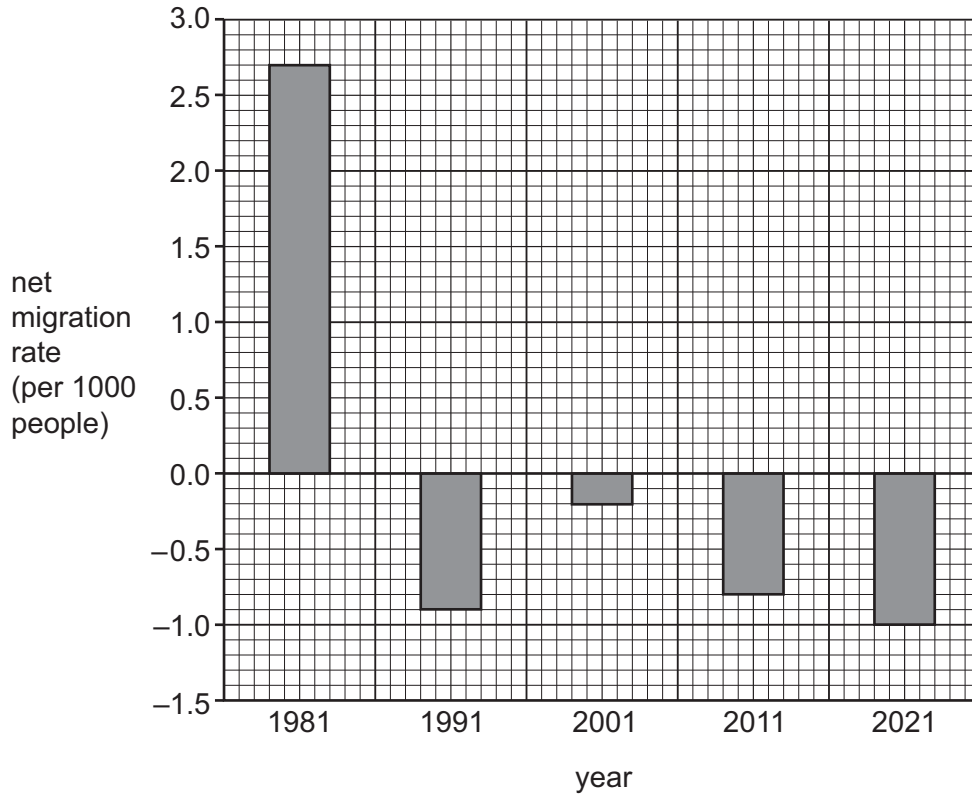


Fig. 4.2

Using Fig. 4.2 **only**, identify:

- a year where there were more immigrants than emigrants
- the net migration rate in 2011 per 1000 people

[2]





(ii) Explain **two** reasons why people may emigrate from Pakistan. You should develop your answer.

1

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2

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[4]

(c) (i) **Circle** the province in Pakistan with the highest population density.

Balochistan Punjab Sindh

[1]

(ii) State **two** physical and **two** economic factors which affect population density.

physical	economic
1	1
2	2

[4]

(iii) Choose **one** physical factor that you identified in (c)(ii) and describe how it affects population density.

physical factor

.....

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[2]



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5 (a) (i) Study Fig. 5.1, a divided bar graph showing the percentage of total employment in different sectors in Pakistan in 2009 and 2019.

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[2]

(ii) Using Fig. 5.1, identify the percentage of the population working in the primary sector in 2019.

.....%

[1]

(iii) Identify **two** jobs in each sector. In the table, tick (✓) **two** boxes in each column.

job	primary	secondary	tertiary
call centre worker			
carpet weaver			
doctor			
farmer			
miner			
steel worker			

[3]

[Turn over



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(iv) Give **three** reasons for the increase in employment in the secondary sector in Pakistan between 2009 and 2019.

- 1
 -
 - 2
 -
 - 3
 -
- [3]

(b) (i) Study Figs. 5.2 and 5.3 (Insert), photographs showing industries in Pakistan.

Using Figs. 5.2 and 5.3 **only**, describe **one** similarity and **one** difference between the industries shown.

- similarity
 -
 - difference
 -
- [2]

(ii) Define 'manufactured'.

-
 -
- [1]

(iii) State **two** raw materials used by the surgical instruments industry in Pakistan.

- 1
 - 2
- [2]

(iv) Describe **one** factor that influences the location of the surgical instruments industry.

-
 -
- [1]

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(c) Suggest **two** factors that could affect the potential to develop tourism in an area of Pakistan. You should develop your answer.

1

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2

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[4]

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Additional page

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