Cambridge O Level

Cambridge International Examinations
Cambridge Ordinary Level

CANDIDATE NAME	

CENTRE NUMBER						CANDIDATE NUMBER					

3133260056

PAKISTAN STUDIES **2059/02**

Paper 2 The Environment of Pakistan **October/November 2017**

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler

READ THESE INSTRUCTIONS FIRST

Write your name, Centre number and candidate number in the spaces provided.
Write in dark blue or black pen.
Do not use staples, paper clips, glue or correction fluid.
DO **NOT** WRITE IN ANY BARCODES.

Answer any **three** questions.
If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
The Insert contains Photograph A for Question 1 and Photograph B for Question 3.
The Insert is **not** required by the Examiner.
The number of marks is given in brackets [ ] at the end of each question or part question.

This document consists of **23** printed pages, **1** blank page and **1** Insert.

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CAMBRIDGE International Examinations

1 **(a)** Study Photograph A (Insert), which shows part of the urban area of Islamabad.

(i) Describe **three** features of the residential area in this photograph.

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3 .....

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(ii) Suggest reasons why people move into areas such as that shown in Photograph A.

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(b) A shortage of food is one reason why people move away from rural areas.

(i) Give **two** reasons why there might be a shortage of food in rural areas.

1 .....

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2 .....

.....[2]

(ii) Describe the ways that **human** factors can improve the production of livestock farming in Pakistan.

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(c) Study Fig. 1, which shows death rates in Pakistan between 2000 and 2014.

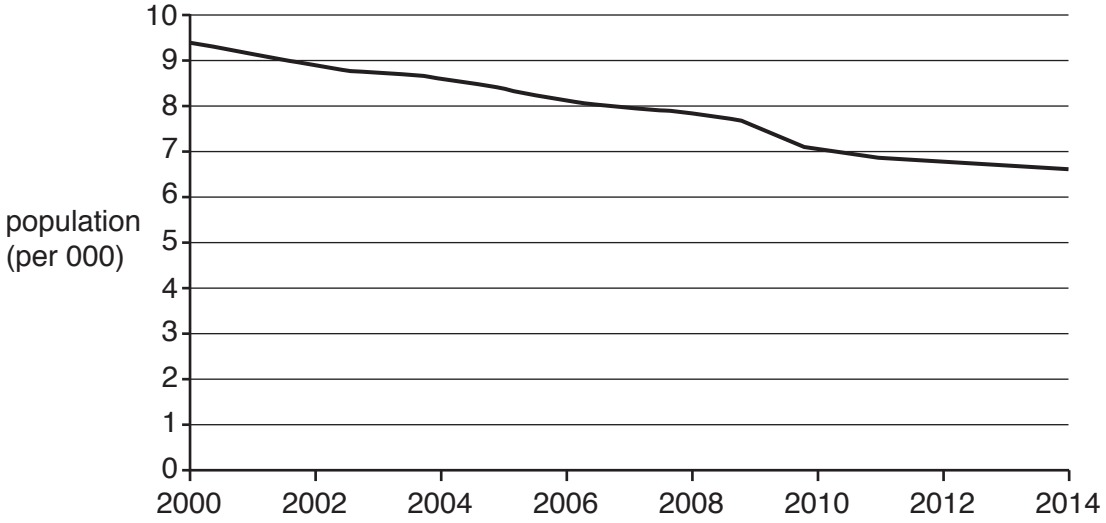

Fig. 1

(i) What is the death rate in 2000?

.....[1]

(ii) How has the death rate changed between 2000 and 2014?

.....[1]

(iii) Give **one** reason why the death rate has changed over this period.

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(iv) Explain the impacts of this change in death rates on Pakistan. You should develop your answer.

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(d) Rapid population growth and rural to urban migration lead to pressure on housing in urban areas of Pakistan. Read the following two views about ways to solve the housing problems in urban areas:

A

The government should provide funding to improve poor quality housing in urban areas.

B

The government should provide funding to rural areas to prevent migration from rural to urban areas.

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, which is a flow diagram of the cement industry.

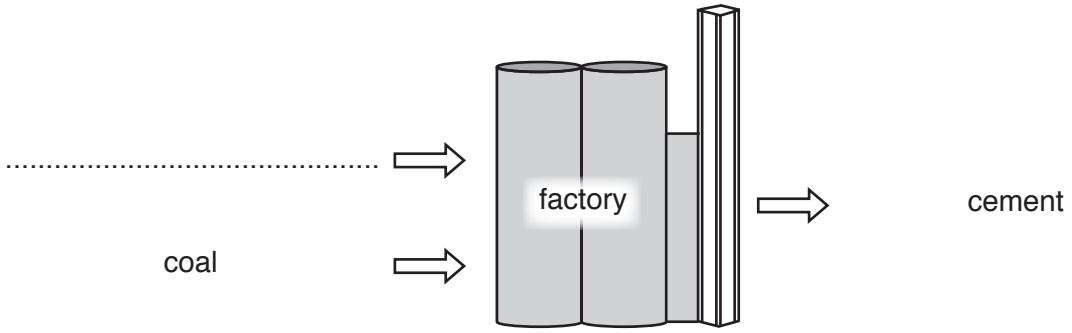

Fig. 2

On Fig. 2, insert the name of a raw material used to make cement in the space provided. [1]

(ii) Give **one** example of primary, secondary and tertiary employment in the cement industry.

Primary .....

.....

Secondary .....

.....

Tertiary .....

.....[3]

(iii) The cement industry is an example of a formal industry. State **three** characteristics of employment in the formal sector of industry.

1 .....

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2 .....

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3 .....

.....[3]

(b) **(i)** Name **two** fuels which are imported in large quantities by Pakistan.

1 .....

2 .....[2]

(ii) Explain the disadvantages to Pakistan of importing large amounts of natural resources. You should develop your answer.

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(c) Study Fig. 3, a map which shows the distribution of population in southern Pakistan.

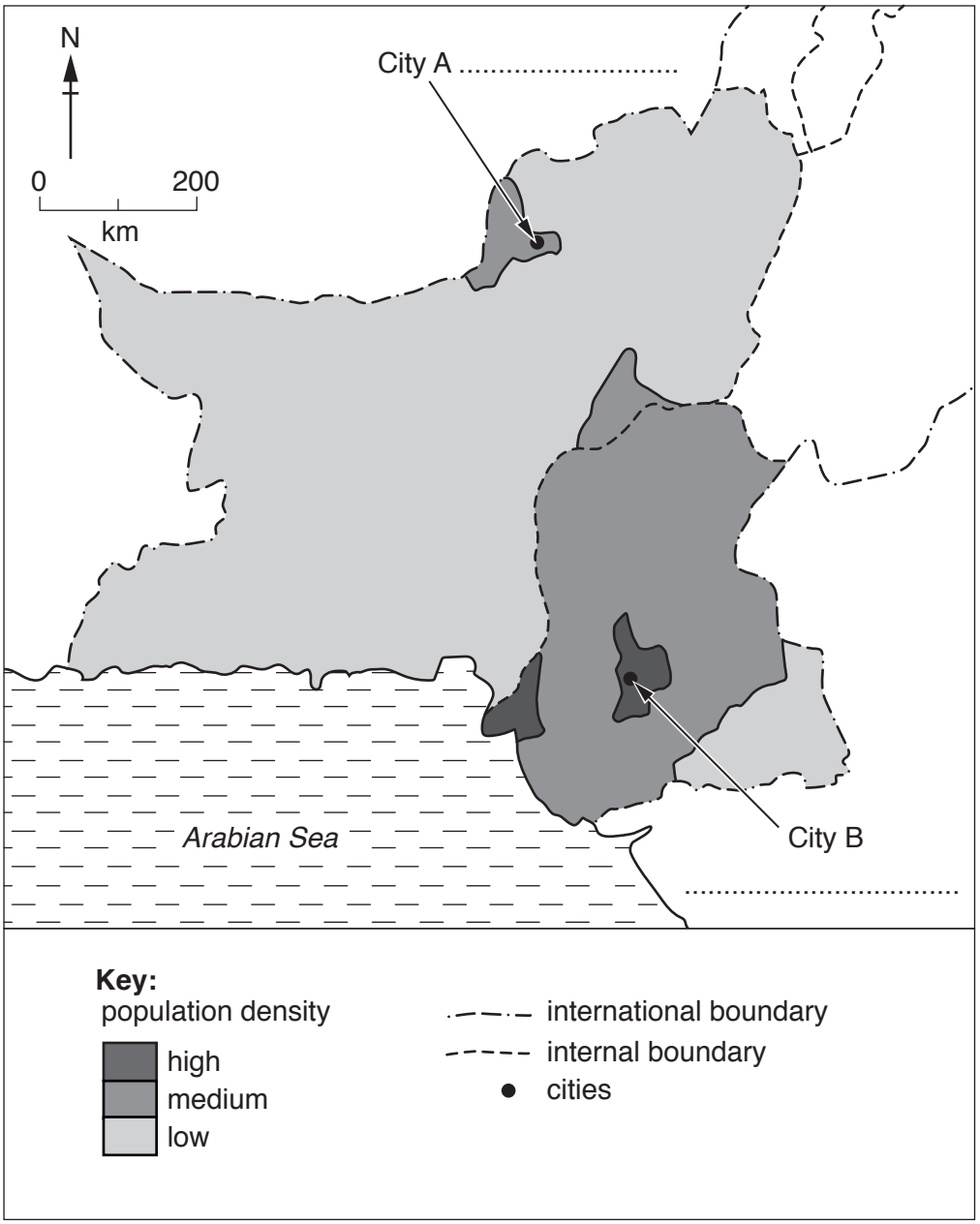

Fig. 3

(i) **On the map** name the following: City A; City B. [2]

(ii) Name **one** area of low population density shown on Fig. 3.

.....[1]

(iii) Describe **three** human factors that cause some areas to have a low population density.

1 .....

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2 .....

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3 .....

.....[3]

(d) There are many influences on industrial growth at the national level in Pakistan. Read the following two views:

A

Government projects, policies and support have the greatest influence on the growth of industries.

B

Energy shortages, the security situation and natural disasters have the greatest influence on the growth of industries.

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]

3 **(a)** **(i)** A Name a species of fish reared on a fish farm.

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B Give **two** uses for the products of fish farms.

1 .....

2 .....[3]

(ii) Describe the methods used to rear fish on fish farms.

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(b) Study Fig. 4, which shows changes in farm size in Pakistan between 1980 and 2010.

Farm size hectares (ha)	Percentage of farms			
	1980	1990	2000	2010
Under 5	74	81	86	89
5–20	24	17	13	10
21 and over	2	2	1	1

Fig. 4

(i) In which year was the percentage of farms under 5 hectares (ha) the smallest?

.....[1]

(ii) Identify the **two** main changes in farm size over the whole period 1980–2010.

1 .....

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2 .....

.....[2]

(iii) Suggest a reason for **one** of the changes you have identified in **(b)(ii)**.

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(iv) Explain how farm size can affect production on farms in Pakistan. You should develop your answer.

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(c) **(i)** Study Photograph B (Insert).

A Name the crop shown in this photograph.

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B Give **one** reason why this crop can be grown in many areas of Pakistan.

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C Describe **one** natural requirement for a high yield of this crop.

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.....[3]

(ii) Sugar cane is an important crop grown in Pakistan. Suggest **two** reasons why there is an increased demand for this crop.

1 .....

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2 .....

.....[2]

(d)

> A huge area, 4–7 million hectares or one-fifth to one-third of the total agricultural area of Pakistan, has seen yields decreased or crops lost completely due to waterlogging and salinity.

Evaluate whether it is possible to prevent agricultural land being damaged by waterlogging and salinity. 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)** Study Fig. 5, which is a map of southern Pakistan.

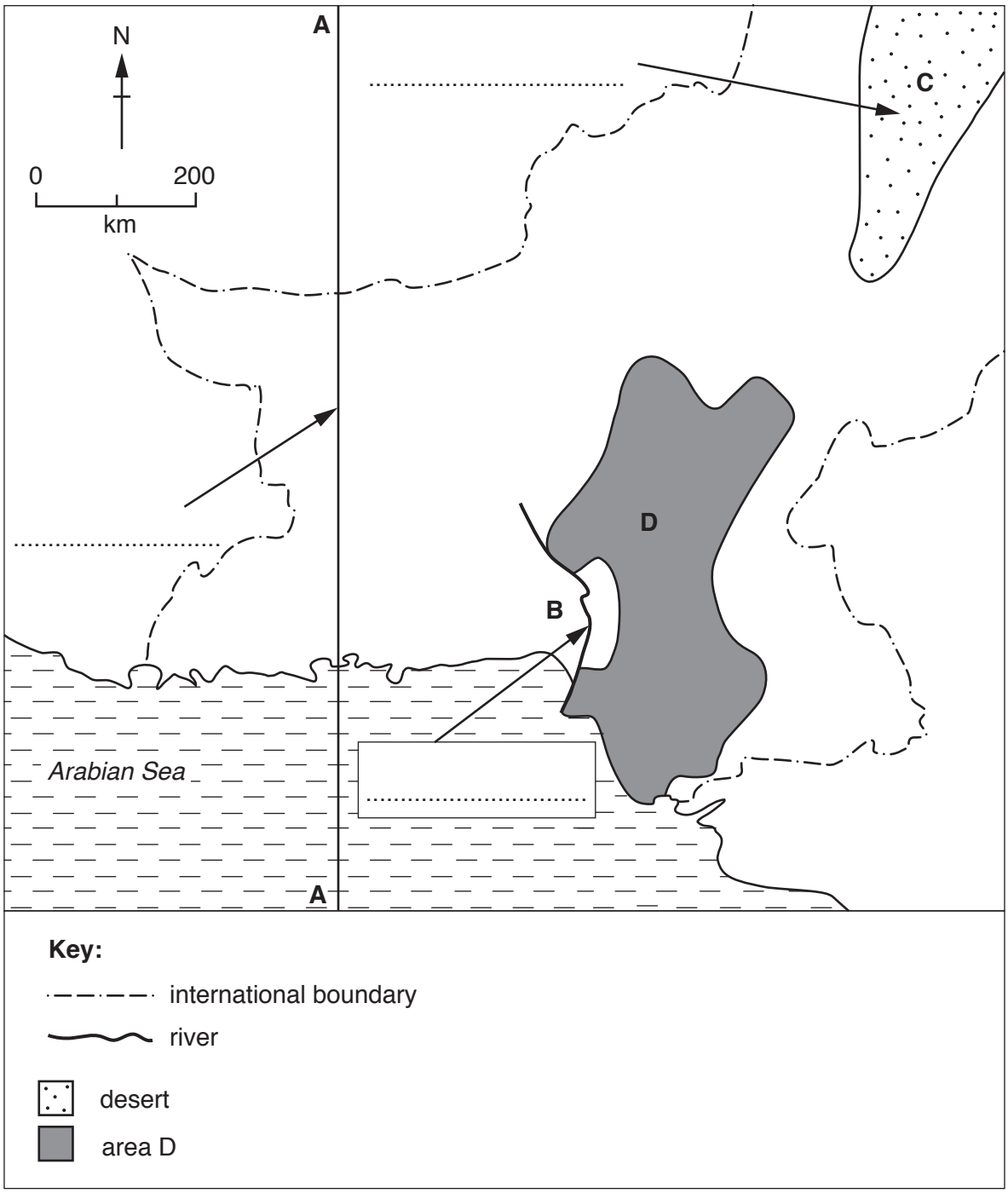

Fig. 5

(i) **On the map** name the following: Line of longitude A–A; River B; Desert C. [3]

(ii) Describe the natural topography (relief) of Area D on the map.

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(iii) Give reasons why the Indus River floods.

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(b) Study Fig. 6, which shows the road types in the road network of Pakistan's National Highway Authority in 2016.

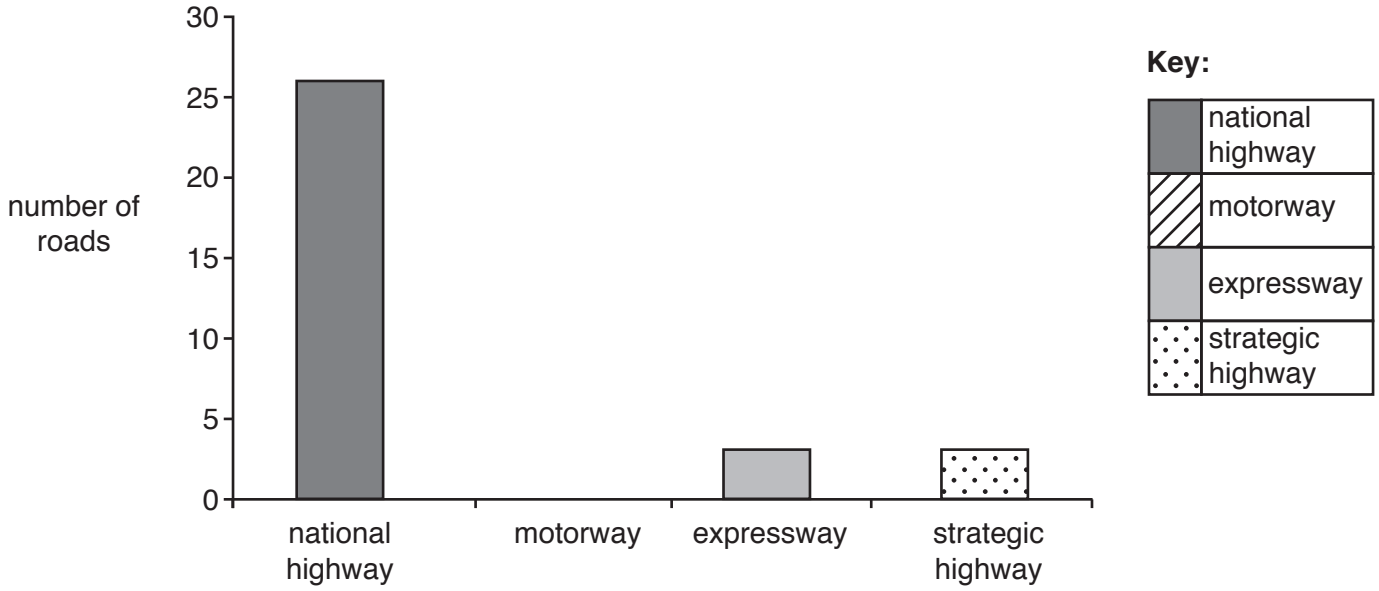

Fig. 6

(i) What is meant by the term 'road network'?

.....

.....[1]

(ii) **Complete** Fig. 6 by drawing the bar for the motorway, using the information below and the key provided:

Road type	Number of roads
Motorway	7

[2]

(iii) The road network is most dense on the plains of Punjab and Sindh. Explain why there are fewer roads in the mountainous areas of Pakistan. You should develop your answer.

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(c) **(i)** Name **one** type of tree grown on plantations in Pakistan.

.....[1]

(ii) Describe **three** physical factors which influence the distribution of forests.

1 .....

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2 .....

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3 .....

.....[3]

(d) Evaluate whether developments in transport networks benefit or create problems for the people and the natural environment in Pakistan. Give reasons to support your **judgement** and refer to examples you have studied. You should consider benefits **and** problems in your answer.

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[TOTAL: 25]

5 **(a)** Study Fig. 7, which shows climate data for Lahore, Punjab. Lahore has a monsoon climate.

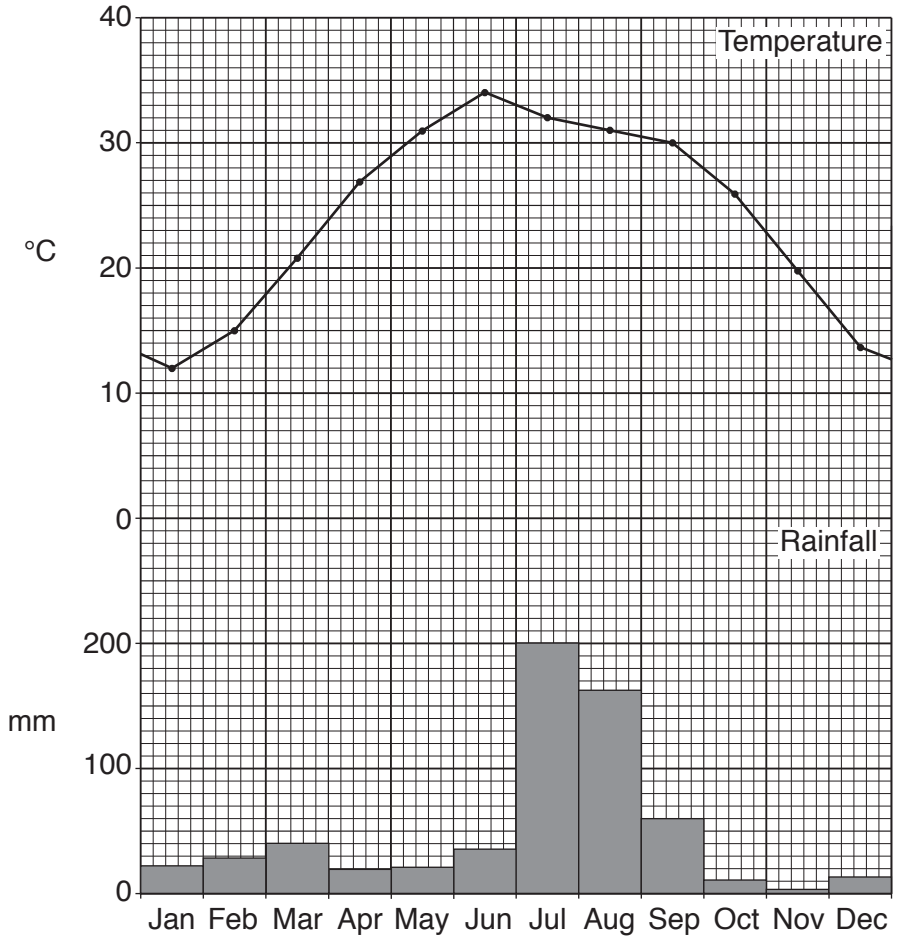

Fig. 7

(i) What is meant by the term 'monsoon'?

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(ii) How does Fig. 7 show that the climate in Lahore is typical of a monsoon climate?

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.....[2]

(iii) Give reasons why Lahore has more rainfall in July than in December.

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(b) Study Fig. 8, which shows the percentage of the population working in Pakistan in 2013–14.

percentage of population working	Male	Female
Rural	69	29
Urban	66	10

Fig. 8

(i) Tick **two** correct statements about Fig. 8 in the table below.

Statement	Tick (✓)
The percentage of female population working in urban areas is larger than in rural areas.	
The percentage of male population working in rural areas is smaller than in urban areas.	
The percentage of males working is greater than females.	
The percentage of people working in rural areas is greater than in urban areas.	

[2]

(ii) Suggest reasons for the differences in the percentage of the population working between rural and urban areas.

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(iii) Explain the advantages of mechanisation in small-scale industries in Pakistan. You should develop your answer.

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(c) **(i)** A provincial capital city regularly has the lowest temperatures in Pakistan. Name this city.

.....[1]

(ii) Describe **four** impacts of low temperatures on people who live and work in mountain areas.

1 .....

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(d) Read the following two views about possibilities for air transport improvements in Pakistan:

A

It is better to build more runways at Jinnah Airport, Karachi, Pakistan's largest city.

B

It is better to build airports in smaller cities such as Sialkot and Nok Kundi.

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

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[TOTAL: 25]

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Additional Pages

If you use the following lined pages to complete the answer(s) to any question(s), the question number(s) must be clearly shown.

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