Cambridge
O Level

Cambridge International Examinations
Cambridge Ordinary Level

CANDIDATE NAME	

CENTRE NUMBER						CANDIDATE NUMBER					

0775184389

PAKISTAN STUDIES **2059/02**

Paper 2 The Environment of Pakistan **October/November 2018**

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.
The Insert contains Figs 1.1, 1.2, 1.3 and 1.4 for Question 1.
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)** **(i)** Study Figs. 1.1, 1.2, 1.3 and 1.4 (Insert), photographs showing different crops growing in Pakistan.

Identify the crops shown in each photograph

Fig. 1.1 .....

Fig. 1.2 .....

Fig. 1.3 .....

Fig. 1.4 ..... [4]

(ii) State what any **two** of the crops shown in Figs. 1.1–1.4 are used for.

Name of crop .....

Use .....

Name of crop .....

Use .....[2]

(b) **(i)** Explain the ideal **natural** growing conditions needed to produce cotton. You should develop your answer.

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(ii) Describe how environmental factors can harm the cotton crop.

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(c) **(i)** Study Fig. 1.5, a map outline of Pakistan.

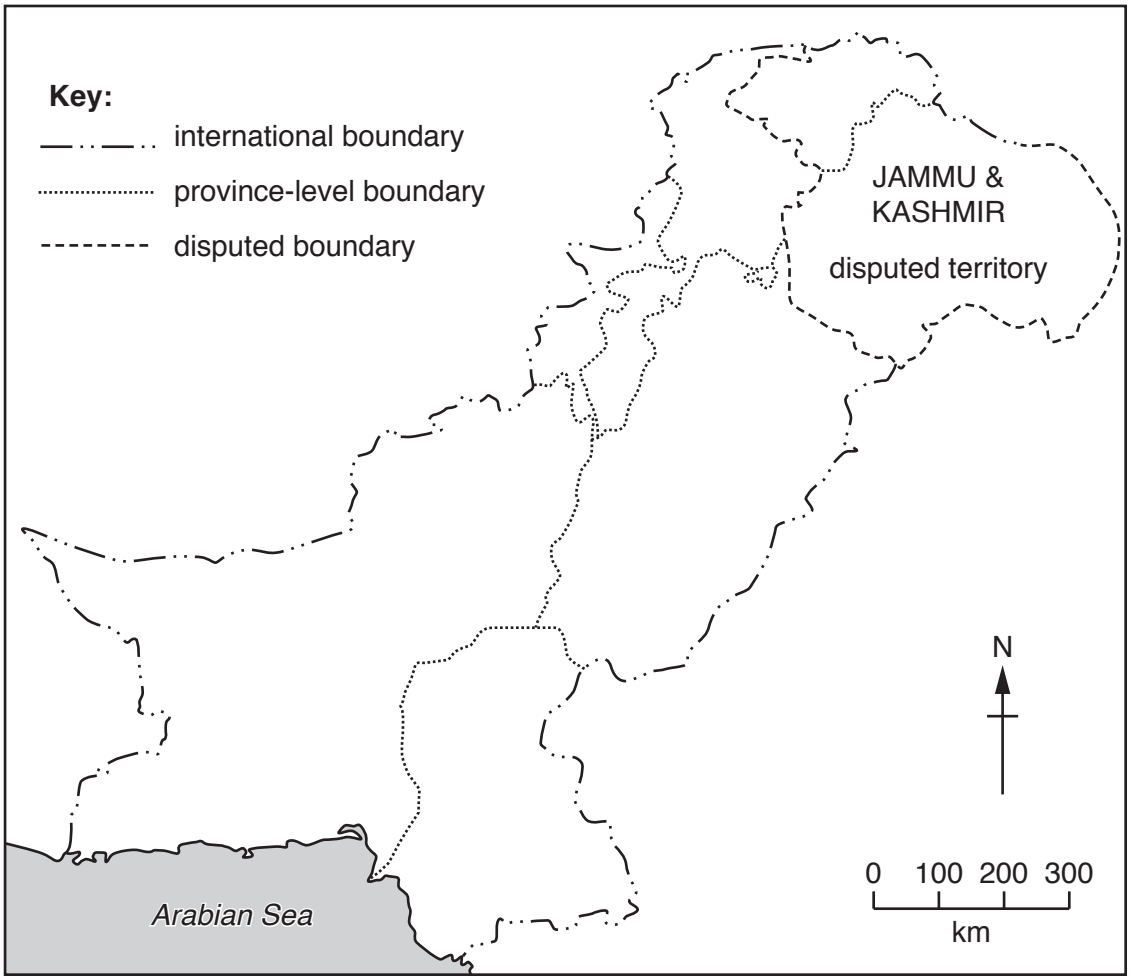

Fig. 1.5

On Fig. 1.5 **shade** and **name** the provinces where oilseeds are grown. [3]

(ii) State **two** reasons why oilseeds are grown in these provinces.

1 .....

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2 .....

.....[2]

(d) Pakistan is an agricultural country, yet a recent United Nations report placed Pakistan on a list of countries facing food shortage in the future. Read the following two views about ways to prevent future food shortages in Pakistan:

A

The best way to prevent food shortages is to increase food production for the domestic market.

B

The best way to prevent food shortages is to increase food imports for the domestic market.

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]

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2 **(a)** **(i)** Which **one** of the following definitions correctly describes hydel power? Tick **one** box below.

	Tick (✓)
Hydel power is electricity generated by using fossil fuels.	
Hydel power is electricity generated by using heat from the sun to heat water.	
Hydel power is electricity generated by using the fast flow of water to move turbines which drive generators.	

[1]

(ii) Explain how the climate causes problems in developing hydel power in Pakistan. You should develop your answer.

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(b) **(i)** Study Fig. 2.1, pie charts showing the percentage share of energy produced in Pakistan and the world.

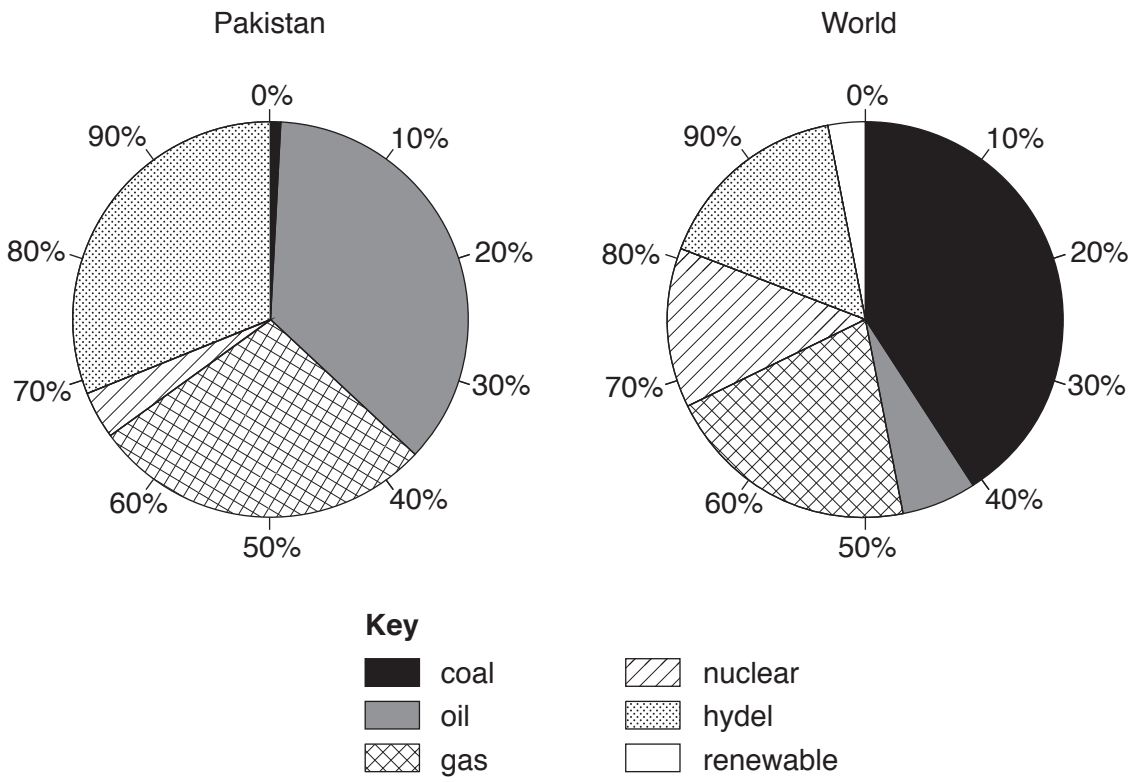

Fig. 2.1

Compare the proportion of energy produced from any **two** non-renewables in Pakistan with the rest of the world.

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(ii) State **three** reasons why the contribution of renewable energy sources, other than hydel power, is smaller in Pakistan compared to the rest of the world.

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(iii) Suggest **two** ways solar energy can help solve the problems of producing and distributing energy in the rural areas of Pakistan.

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2 .....

.....[2]

(c) **(i)** **Draw** and **label** a diagram of a wind turbine.

[3]

(ii) Give **two** advantages and **two** disadvantages of using wind energy.

Advantages	Disadvantages
1	1 .....
.....	.....
.....	.....
.....	.....
2	2 .....
.....	.....
.....	.....
.....	.....

[4]

(d) Pakistan is planning to expand its nuclear energy capacity from 1300 to 8800 megawatts between 2018 and 2030.

To what extent is further developing nuclear energy a sustainable way of generating more electricity 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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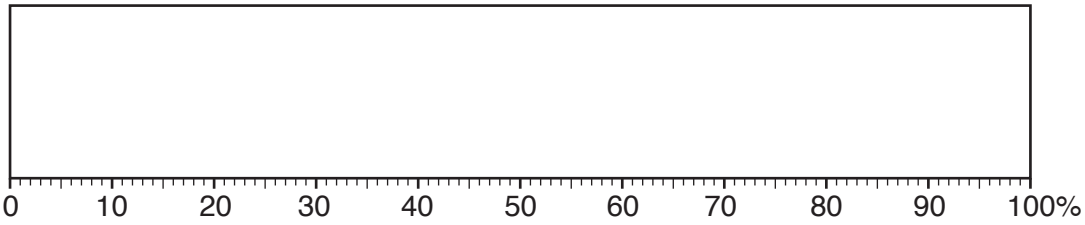
[TOTAL: 25]

3 **(a)** **(i)** **Complete** Fig. 3.1, which is a divided bar graph, using the information below to show the employment structure of Pakistan:

Sector	Percentage (%)
Primary	42
Secondary	14
Tertiary	44



[4]

Fig. 3.1

(ii) **Complete** the table by classifying the jobs from the list below into the correct categories. **An example has been done for you.**

Primary	Secondary	Tertiary
farmer	factory worker	teacher

[3]

nurse	train driver	builder
chef	miner	fisherman

(b) **(i)** Study Fig. 3.2, a world map. Shade and label **two** countries that are major importers of products from Pakistan.

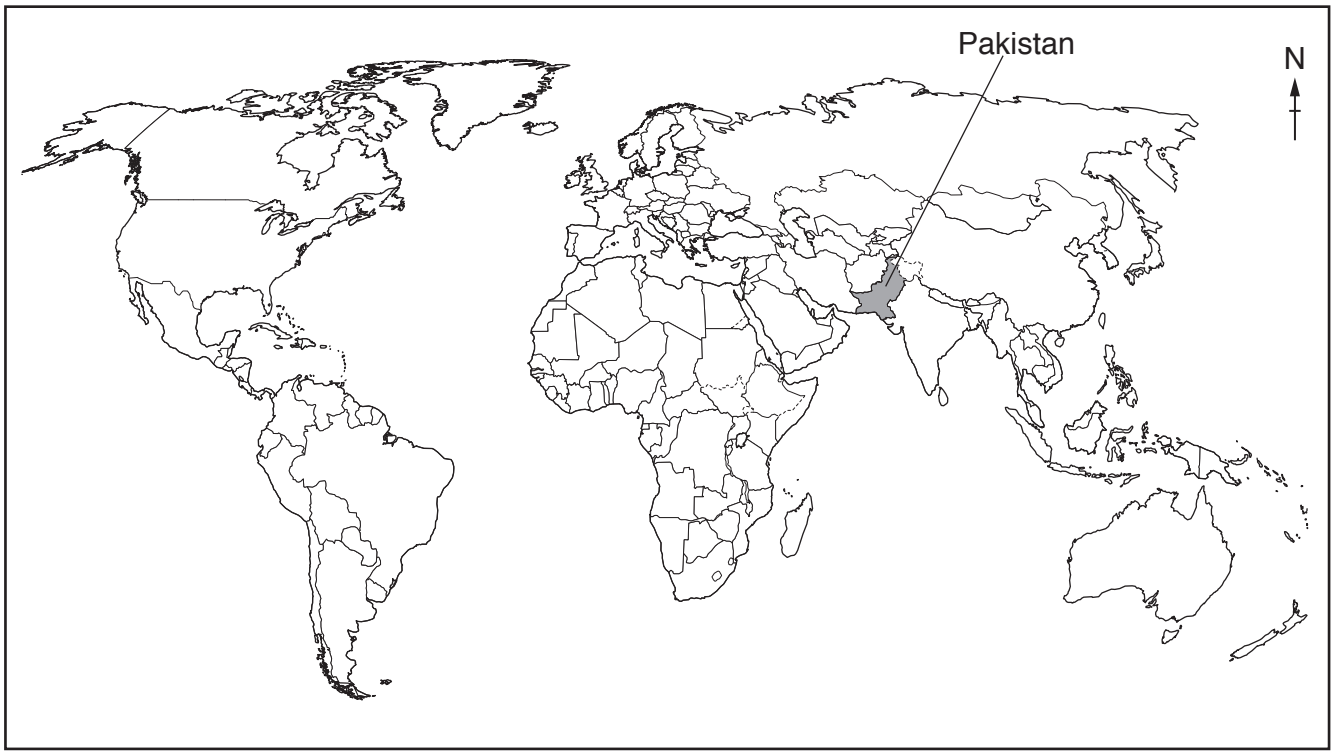


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Fig. 3.2

(ii) Name **three** major products that are imported into Pakistan.

1 .....

2 .....

3 ..... [3]

(c) **(i)** Define the term 'trade deficit'.

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.....[1]

(ii) Study Fig. 3.3, a bar graph showing the exports and imports of Pakistan in millions of rupees.

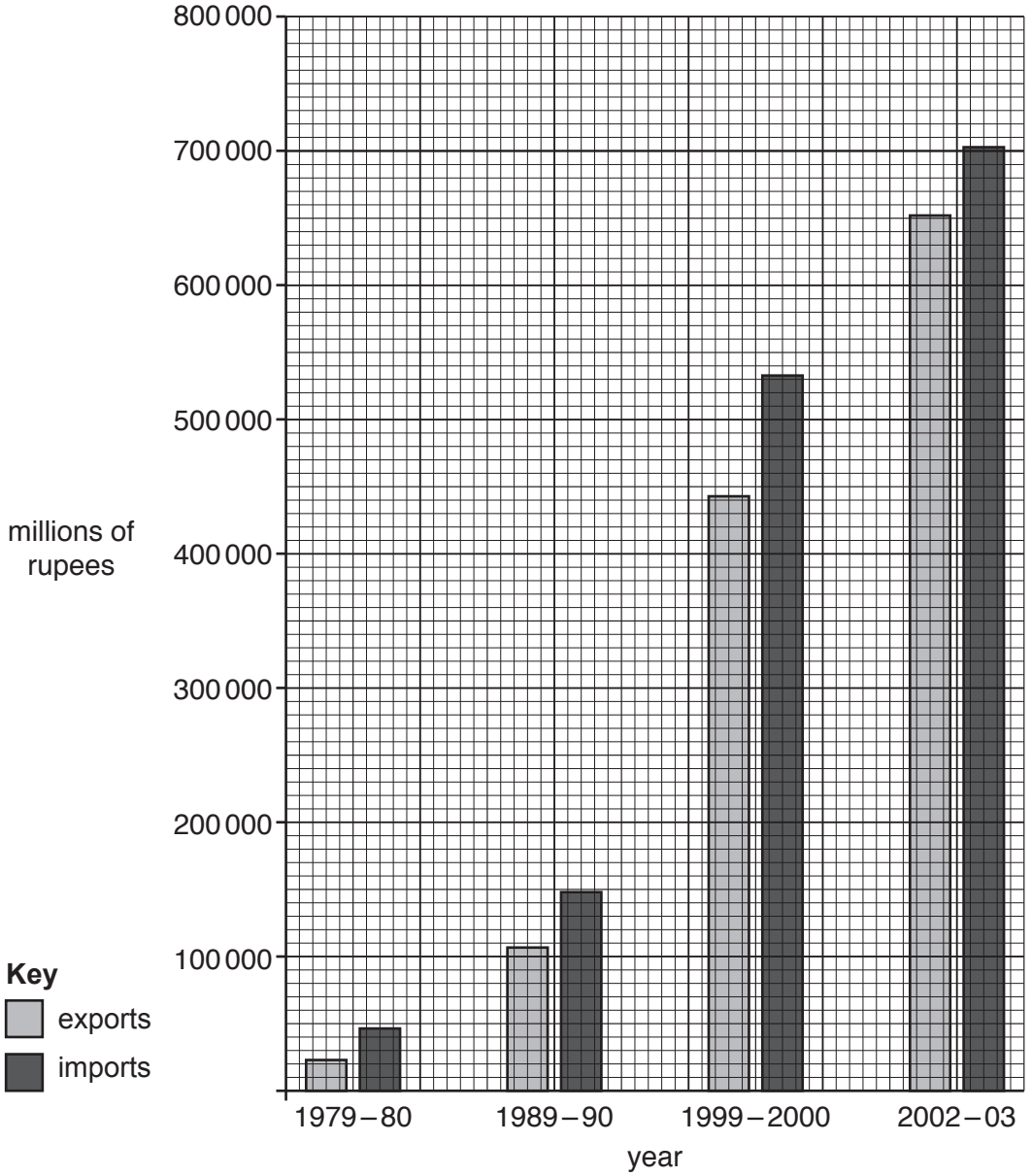

Fig. 3.3

A **Calculate** the trade deficit for 1979–1980. Circle **one** correct answer below.

+23519 –90114 –23519 +46929

B Identify how the trade deficit has changed from 1979 to 2003. Circle **one** correct answer below.

increased stayed the same decreased

[2]

(iii) Explain why Pakistan has a trade deficit. You should develop your answer.

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(d) The negative Balance of Payments needs to be corrected in order to ensure future economic growth. Read the following two views about correcting the Balance of Payments in Pakistan:

A

The best way to correct the Balance of Payments is to increase exports.

B

The best way to correct the Balance of Payments is to restrict imports.

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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4 **(a)** **(i)** Study Fig. 4.1, a map showing the rail network in Pakistan.

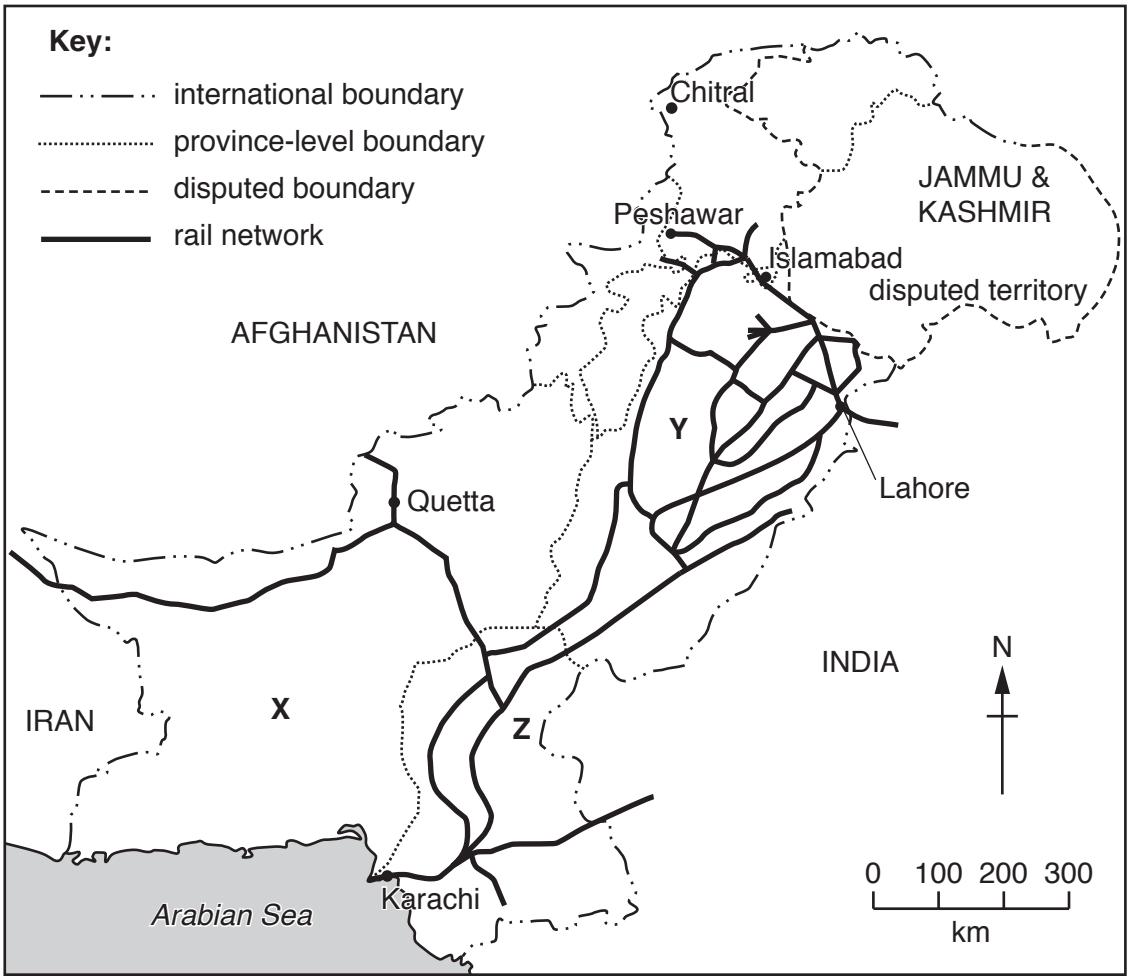

Fig. 4.1

Name the **three** provinces **X**, **Y** and **Z**.

X .....

Y .....

Z ..... [3]

(ii) Using Fig. 4.1 **only**, identify **two** countries that have international rail links with Pakistan.

1 .....

2 ..... [2]

(iii) Using Fig. 4.1 **only**, describe the regional variations of the rail network in Pakistan.

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(b) **(i)** State **one** improvement that has taken place on the railways in Pakistan since 2000.

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(ii) Suggest reasons why the government is improving the railways in Pakistan.

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(c) **(i)** Study Fig. 4.2, a survey of internet usage in Pakistan in 2014.

Approximately 87% of households own mobile phones but only 7% have an internet connection. Mobile phone ownership is higher in urban areas (95%) than rural areas (83%). Approximately 17% of urban homes have an internet connection compared with 2% of rural homes.

Fig. 4.2

Suggest **two** reasons why a small percentage of the rural population use the internet.

1 .....

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2 .....

.....[2]

(ii) Explain why internet access is important in education. You should develop your answer.

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(d) It is important to improve telecommunications in Pakistan to encourage development. Read the following two views about improving internet access in Pakistan:

A

It is better to invest in improving internet access in the major cities of Pakistan.

B

It is better to invest in extending internet access to the rural regions of Pakistan.

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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5 **(a)** **(i)** Study Fig. 5.1, a population pyramid for Pakistan in 2014.

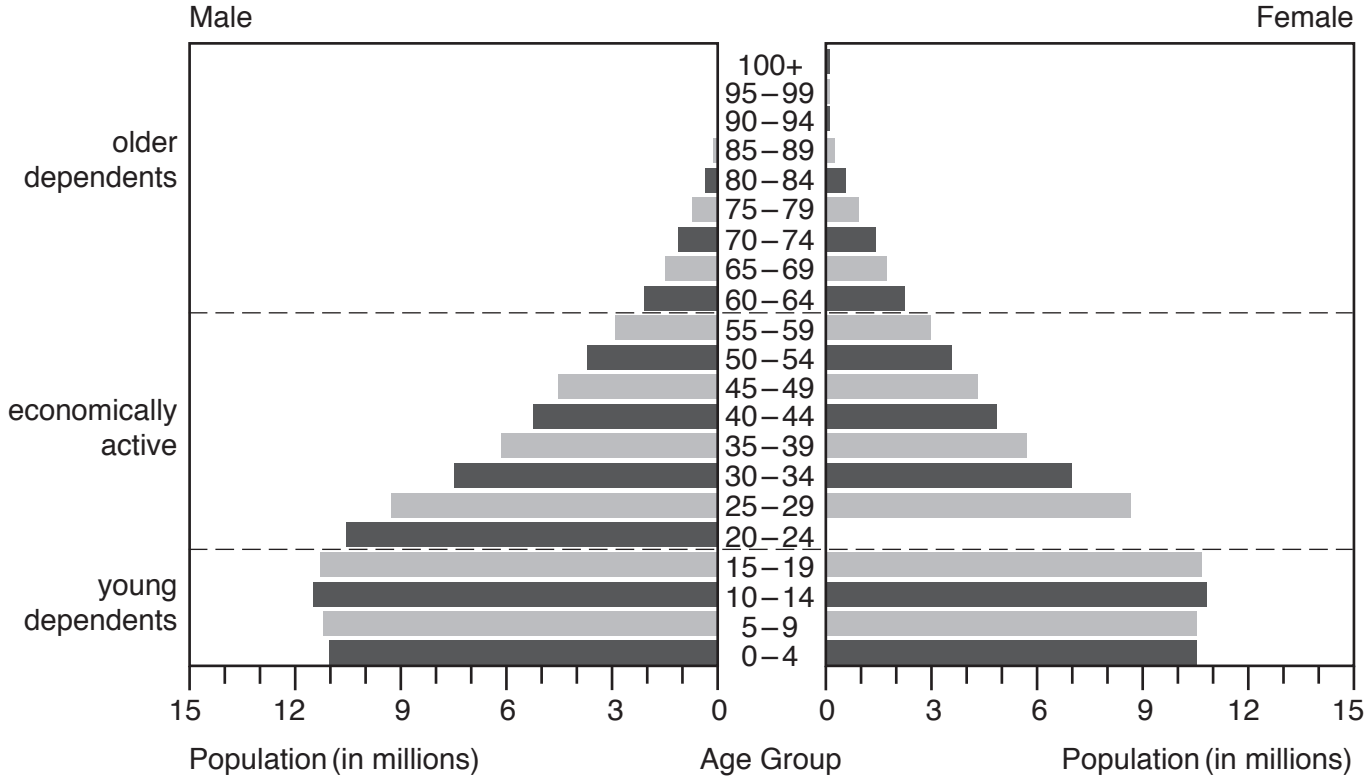

Fig. 5.1

Complete the graph using the information below:

Females	
Age 20–24	10 million

[1]

(ii) Using Fig. 5.1 describe the population structure of Pakistan.

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(b) **(i)** Define the term 'birth rate'.

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(ii) Study Fig. 5.2 showing selected population information about Pakistan.

Total population	187 million
Urban population	70.87 million
Rural population	116.13 million
Population growth rate	2.0% per annum
Total fertility rate	3.3 per thousand
Birth rate	26.8 per thousand
Death rate	7.0 per thousand

Fig. 5.2

Using data from Fig. 5.2 **calculate** the natural population increase for Pakistan.

Show your working in the box below.

[2]

(iii) From the list below tick **three** correct reasons for overpopulation:

	Tick (✓)
Too many people	
Use of contraception	
Not enough resources e.g. food, shelter, water	
Immigration	
Poor infrastructure	
Lack of government finance	
Rapid population growth	

[3]

(c) **(i)** Give **two** benefits and **two** problems to a family of having a small number of children.

benefits .....

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problems .....

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.....[4]

(ii) Explain how and why the death rate in Pakistan is changing. You should develop your answer.

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(d) Stage 4 of the Demographic Transition Model shows low birth and death rates with steady population growth for Pakistan between 2014 and 2040.

To what extent will low birth and death rates have a positive impact on the future development of 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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Additional Page

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