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PAKISTAN STUDIES **0448/02**

Paper 2 The Environment of Pakistan **May/June 2020**

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. Blank pages are indicated.

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1 (a) (i) Study Fig. 1.1, a map of Pakistan.

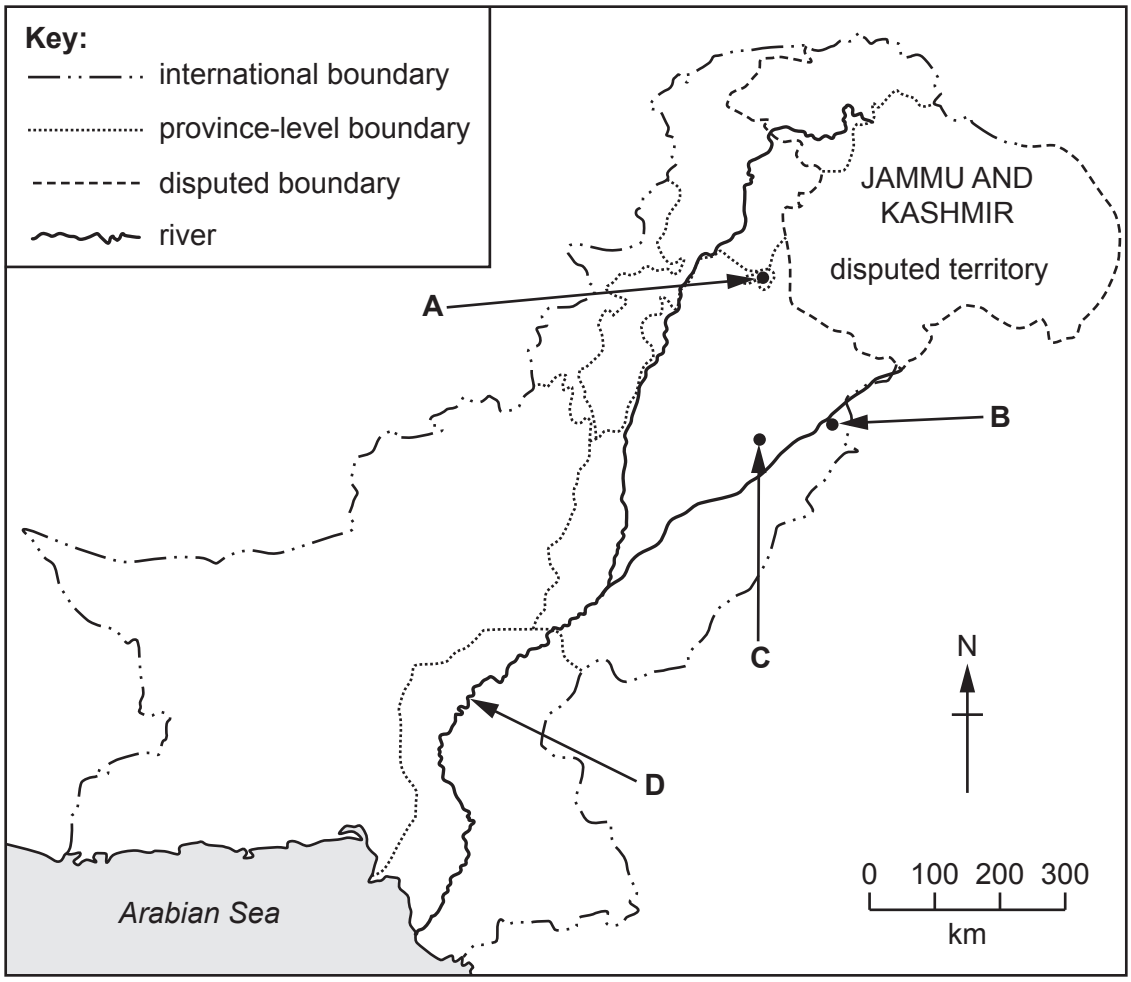

Fig. 1.1

Name the **three** cities labelled **A**, **B** and **C** on Fig. 1.1.

A .....

B .....

C .....

[3]

(ii) Name the river labelled **D** on Fig. 1.1.

D ..... [1]

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(iii) Study Fig. 1.2 (Insert), a map showing the location of a university in Lahore.

Using Fig. 1.2 **only**, describe the location of this university.

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..... [3]

(iv) Suggest **two** factors that may affect access to university education in Pakistan.

1 .....

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2 .....

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[2]

(b) (i) Define 'small-scale' industry.

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..... [2]

(ii) Using Fig. 1.2 (Insert) **only**, suggest **two** advantages of developing a new information technology business area at **X**.

1 .....

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2 .....

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[2]

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(iii) Explain how the following factors can increase economic development in Pakistan. You should develop your answer.

degree-level qualifications .....

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use of telecommunications .....

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[4]

(c) State **two** strategies used by governing authorities to promote industrial growth in Pakistan.

1 .....

2 .....

[2]

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(d) The number of information technology (IT) users in Pakistan has increased rapidly since 2000.

Evaluate the extent to which the use of IT in Pakistan has the potential to reduce unemployment. 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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2 (a) (i) Study Fig. 2.1, a map of Pakistan.

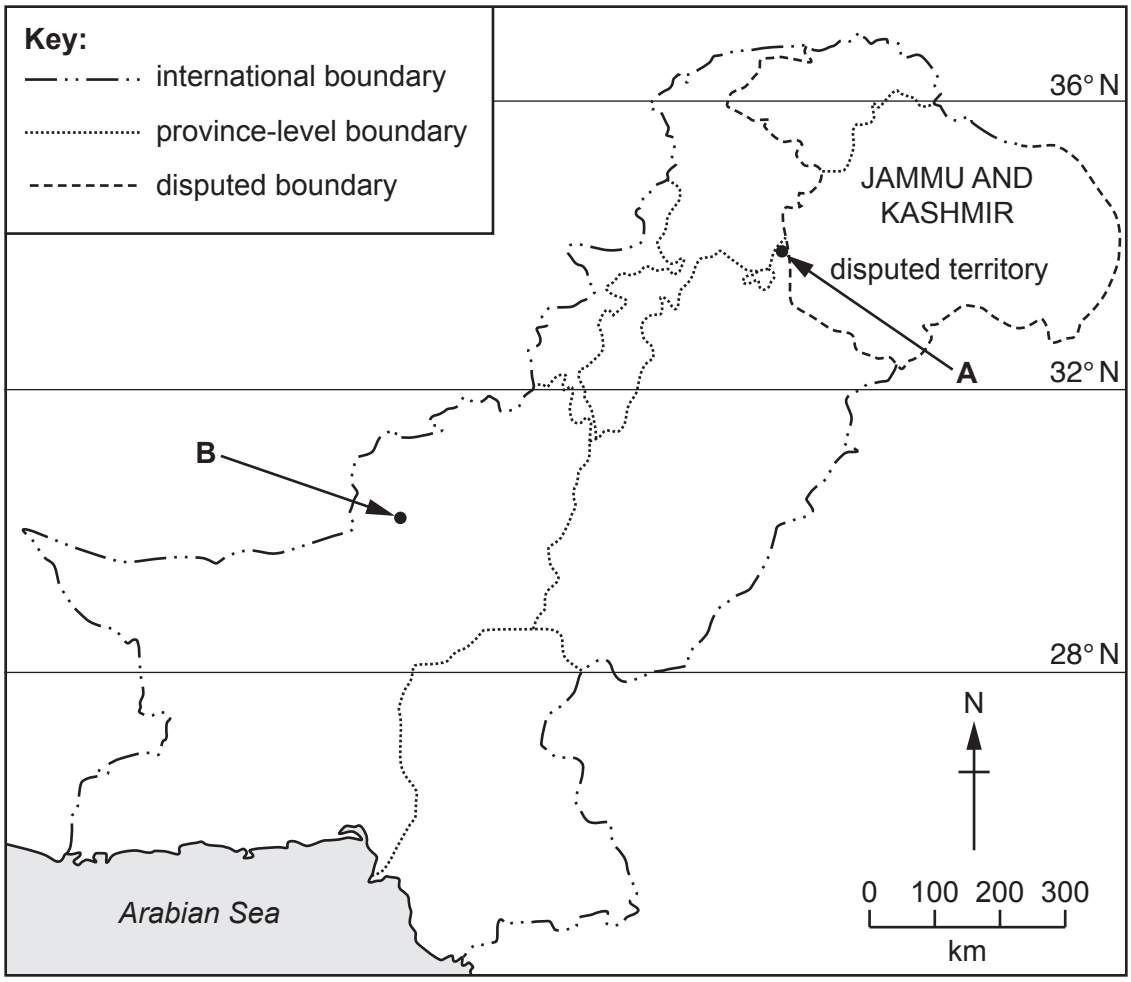

Fig. 2.1

Name the **two** cities labelled **A** and **B** on Fig. 2.1.

A .....

B .....

[2]

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(ii) Study Fig. 2.2, climate graphs showing rainfall and temperature for cities **A** and **B**.

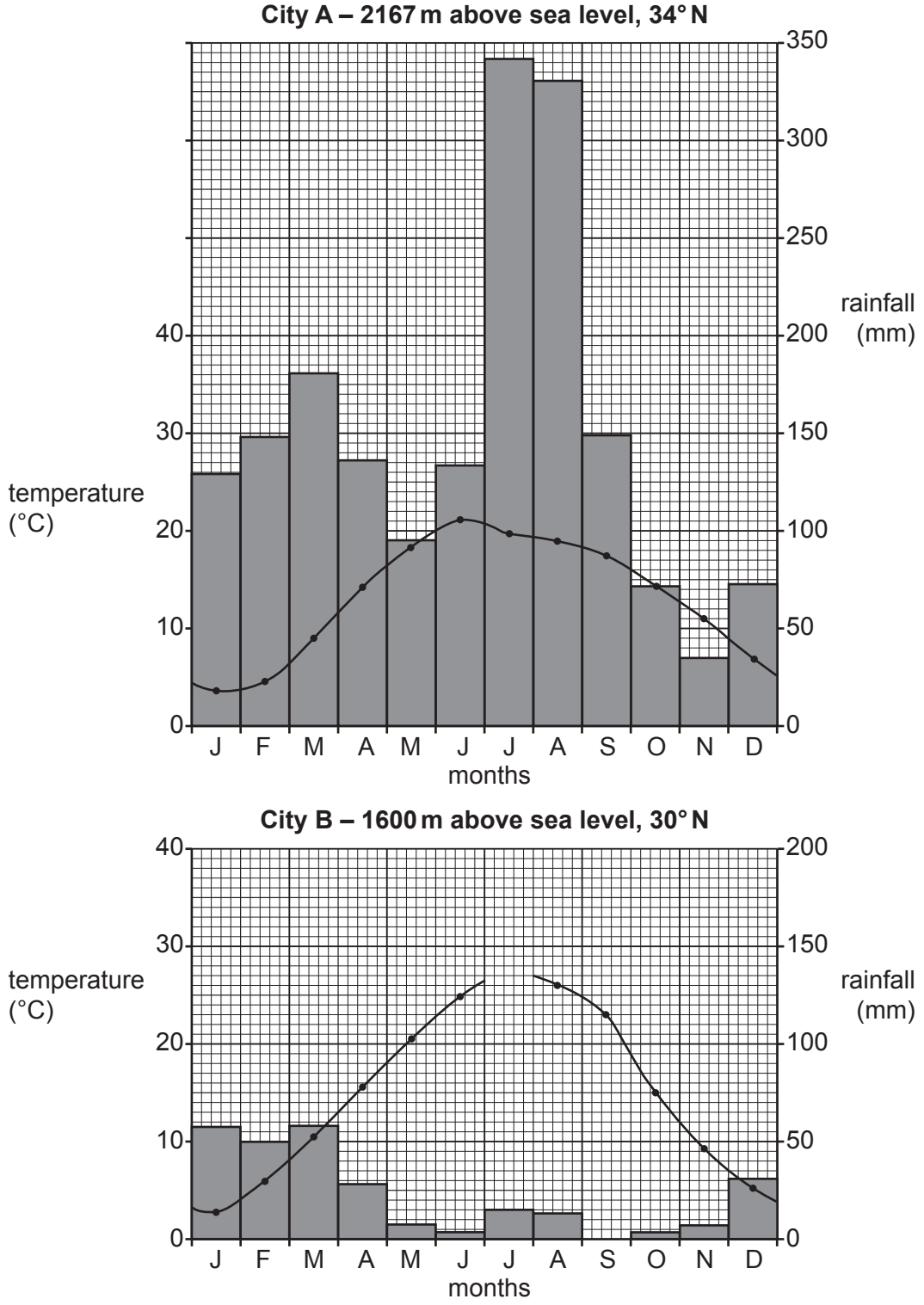

Fig. 2.2

Complete the climate graph for city **B** using the information below.

month	temperature (°C)
July	28

[2]

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(iii) Using Fig. 2.2 **only**, compare the rainfall and temperature for city **A** and city **B**.

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..... [3]

(b) Explain how the following factors affect temperature in cities **A** and **B**. You should develop your answer.

altitude .....

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.....

latitude .....

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.....

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[4]

(c) **(i)** Which **three** statements about thunderstorms in Pakistan are correct? Tick (✓) **three** boxes below.

Thunderstorms are most likely to occur:	Tick (✓)
during the pre-monsoon season	
during the post-monsoon season	
in northern and north western areas	
in southern and south western areas	
in the summer	
in the winter	

[3]

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(ii) Thunderstorms are one source of rainfall. State **three** other sources of rainfall in Pakistan.

1 .....

2 .....

3 .....

[3]

(iii) Other than flooding, describe **two** problems experienced by people as a result of thunderstorms.

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..... [2]

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(d) Floods are a normal occurrence in Pakistan. However, every seven to eight years there are severe floods.

Assess the extent to which the problems of severe flooding can be managed 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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3 (a) (i) Study Fig. 3.1, a diagram showing a method of coal extraction.

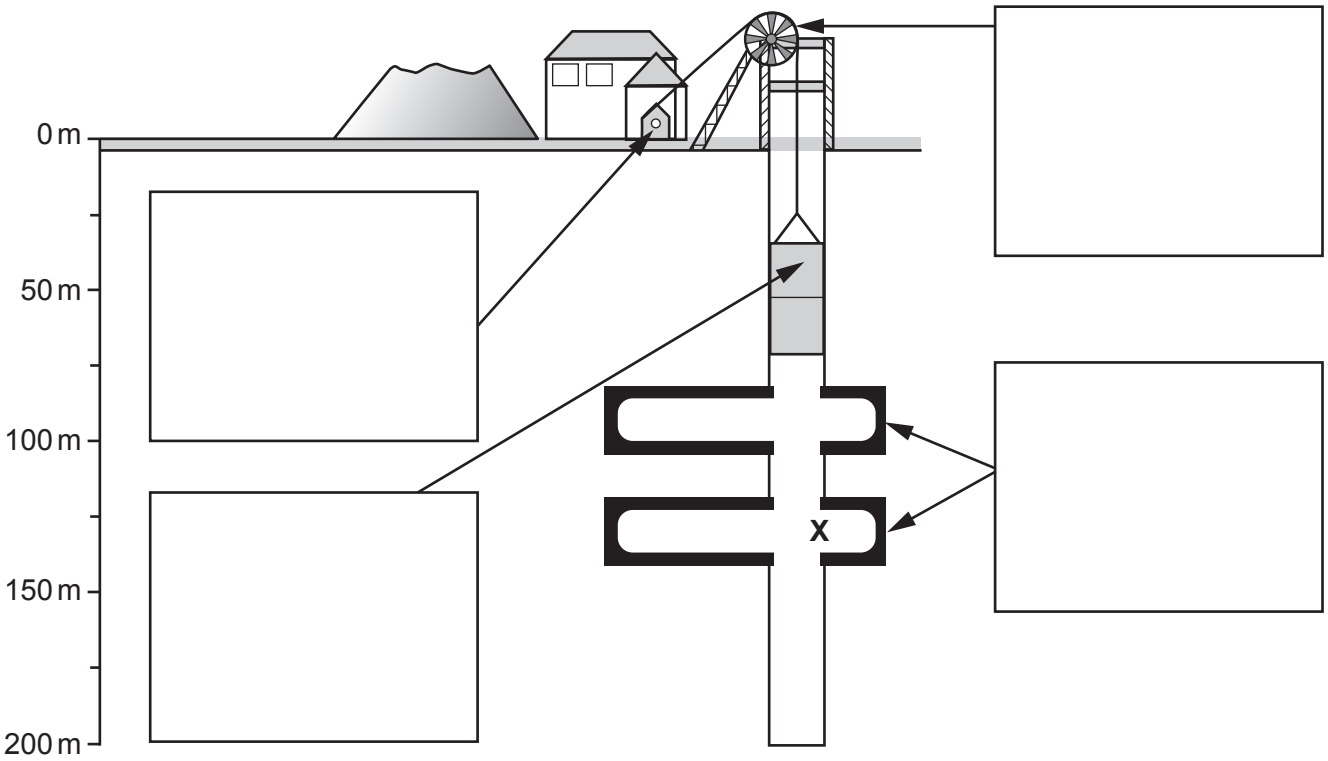

Fig. 3.1

Complete the boxes on Fig. 3.1 by choosing the correct words from the list below.

cable cage coal seams head frame

tunnel winch wheel

[4]

(ii) Using Fig. 3.1, state the depth of the mine at **X**.

..... m [1]

(iii) The method of coal extraction shown in Fig. 3.1 is an example of:

open cast mining adit mining shaft mining

Circle the correct answer. [1]

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(b) (i) Name **two** types of coal found in Pakistan and describe the characteristics of each.

type .....

characteristics .....

.....

.....

type .....

characteristics .....

.....

.....

[4]

(ii) State **one** major use of coal in Pakistan.

..... [1]

(c) (i) Study Fig. 3.2 (Insert), a diagram showing a hydel power station. Using Fig. 3.2 **only**, describe how electricity can be generated using this method.

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(ii) Explain **two** benefits of generating electricity using hydel power. You should develop your answer.

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..... [4]

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(d) Read the following two views about providing a sufficient and reliable electricity supply for Pakistan, now and in the future:

A

Pakistan should make use of its fossil fuel resources for as long as they are available.

B

Pakistan should prepare for the future and further develop its renewable energy resources.

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 areas where three different types of fruit are grown in Pakistan.

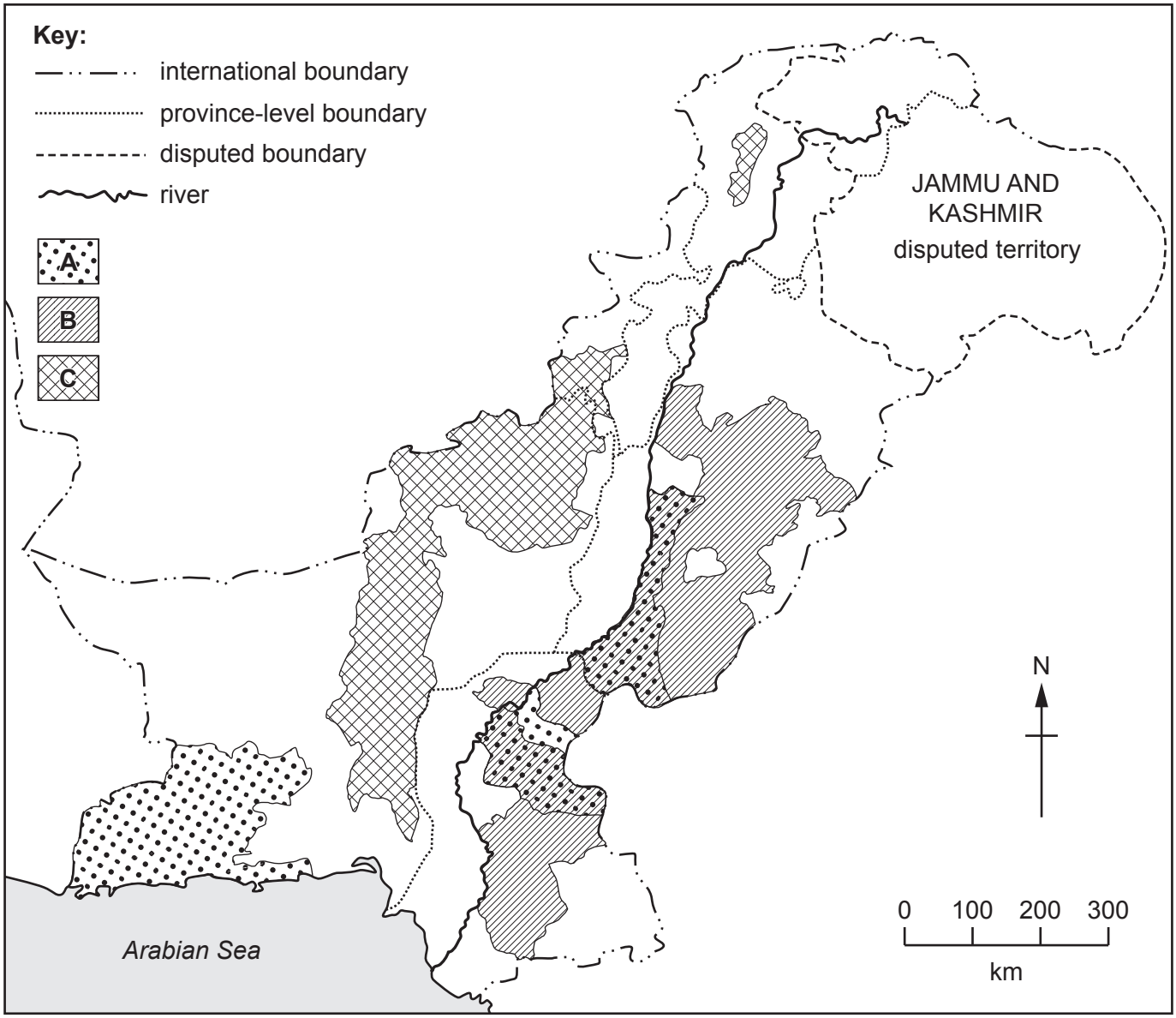

Fig. 4.1

Complete the key with the name of fruits **A**, **B** and **C** below.

Key:

A	
B	
C	

[3]

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(ii) Using Fig. 4.1 **only** describe the distribution of the areas where fruit **A** is grown.

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..... [3]

(iii) Using Fig. 4.1 **only**, state **two** differences between the location of the areas where fruits **B** and **C** are grown.

1 .....

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2 .....

..... [2]

(b) Explain the ideal natural growing conditions needed to grow bananas in Pakistan. You should develop your answer.

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..... [4]

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(c) (i) Define 'subsistence farming'.

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..... [1]

(ii) State **two** human and **two** natural inputs for subsistence rice farming.

human inputs	natural inputs

[4]

(iii) Suggest **two** disadvantages of subsistence farming.

1 .....

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2 .....

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[2]

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(d) Evaluate the extent to which different strategies used to increase agricultural production in Pakistan have been successful. 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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5 (a) (i) Study Fig. 5.1, a population pyramid showing the projected population structure for Pakistan in 2040.

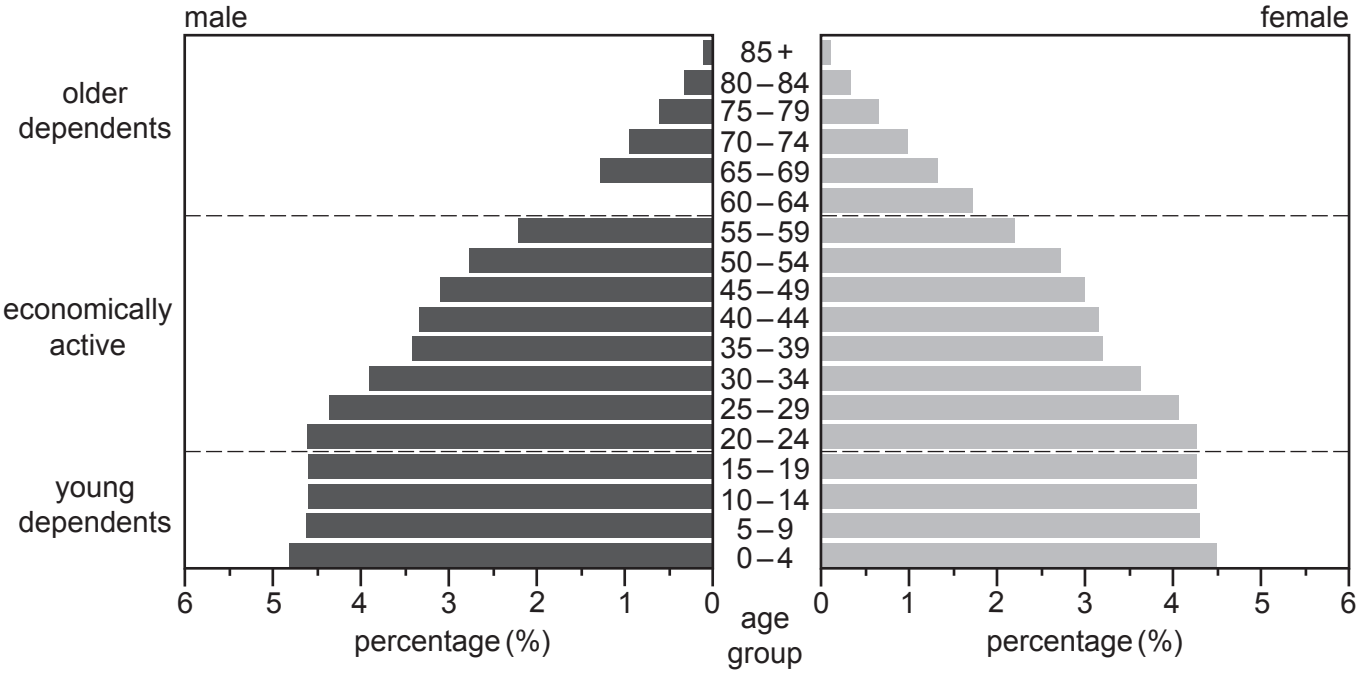

Fig 5.1

Complete the population pyramid using the information below:

males	
age 60–64	1.7%

[1]

(ii) Using Fig. 5.1, **calculate** the percentage of female young dependents in Pakistan.

Circle the correct answer.

13.1% 17.4% 18.6% 36.0%

[1]

(iii) Describe the projected population structure for Pakistan in 2040 using Fig. 5.1 **only**.

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..... [3]

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(iv) Explain how population data can be used to plan for the future in Pakistan. You should develop your answer.

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..... [4]

(b) (i) Suggest **three** benefits of a youthful population for Pakistan.

1 .....

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2 .....

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3 .....

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[3]

(ii) State **four** ways that a low and steady birth rate can be achieved in Pakistan.

1 .....

2 .....

3 .....

4 .....

[4]

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(c) (i) **Complete** the sentence below about overpopulation. Put the correct words in the spaces provided.

There is overpopulation when there are ..... people and ..... resources to support a satisfactory quality of life.

too few too many

[1]

(ii) Describe **two** impacts of overpopulation.

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..... [2]

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(d) Pakistan has one of the world's largest and fastest growing populations. Read the following two views about the impact of fertility rates on the future economic development of Pakistan:

A

Unchecked high fertility rates in Pakistan will hinder future economic development.

B

Reducing the fertility rate in Pakistan will hinder future economic 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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Additional Page

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

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