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PAKISTAN STUDIES **0448/02**

Paper 2 The Environment of Pakistan **May/June 2023**

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 **20** pages.

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1 (a) (i) Study Fig. 1.1, a map showing southern Pakistan and surrounding countries.

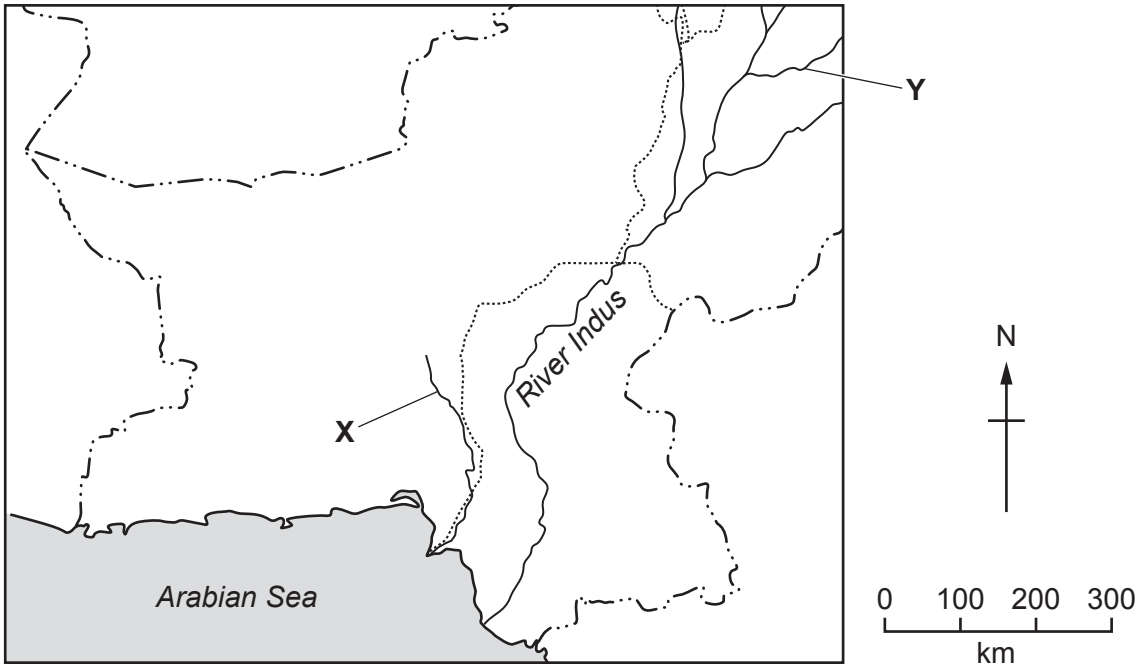

Fig. 1.1

On Fig. 1.1 label the following: Afghanistan, India, Iran. You should write the name in the correct location on the map. [3]

(ii) Add a dot and the letter **K** onto Fig. 1.1 to show the location of Karachi. [1]

(iii) Using Fig. 1.1 **only**, what is the approximate length of Pakistan's coastline? **Circle** the correct answer.

500 km 1000 km 1500 km [1]

(iv) Name the rivers labelled **X** and **Y** on Fig. 1.1.

X .....

Y ..... [2]

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(b) Suggest **four** ways in which rivers are important to Pakistan.

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2 .....

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[4]

(c) **(i)** Study Fig. 1.2 (Insert), a photograph showing part of the Karakoram range.

Describe the **natural** features of the landscape shown.

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(ii) Explain **two** ways in which the natural topography shown in Fig. 1.2 influences human activities. You should develop your answer.

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[4]

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[Turn over

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(d) Water is a valuable resource for the continued sustainable development of Pakistan. Read the following two views about providing water:

A

Water pollution is the biggest threat to the continued provision of water supplies.

B

A shortage of dams is the biggest threat to the continued provision of water supplies.

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) Study Fig. 2.1, a climate graph showing rainfall and temperature for a region of Pakistan.

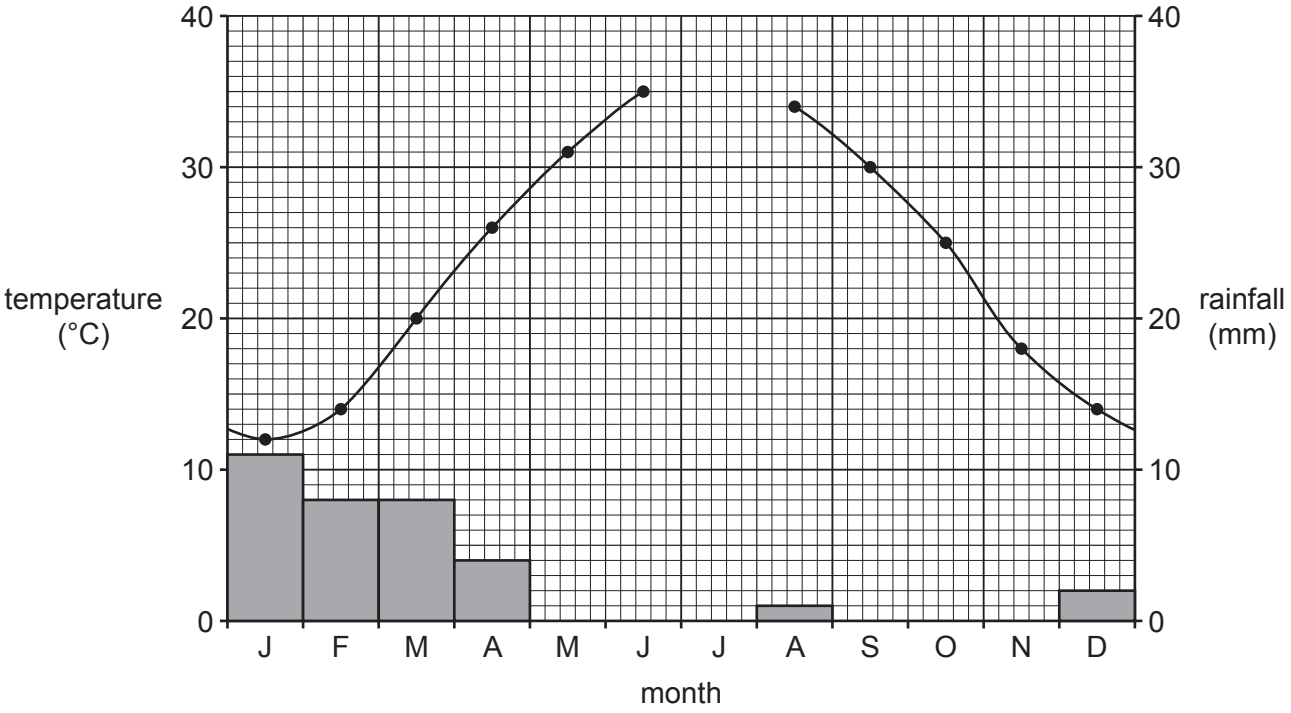

Fig. 2.1

Complete Fig. 2.1 for July using the information below.

temperature (°C)	36
rainfall (mm)	5

[2]

(ii) Using Fig. 2.1 **only**, describe the climate shown in the graph.

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..... [3]

(iii) What type of climate region does the graph show? **Circle** the correct answer.

arid highland humid [1]

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(b) (i) Describe the climate characteristics (rainfall and temperature) of the semi-arid region of Pakistan.

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(ii) Explain **two** benefits of the climate for people living in mountain areas in Pakistan. You should develop your answer.

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[4]

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(c) (i) What is hydel power? Tick (✓) **one** box below.

Hydel power is electricity generated using energy from:	tick (✓)
fast flowing water	
the sun's rays	
tides and waves	
wind	

[1]

(ii) Hydel power stations can be found in mountainous areas of Pakistan. Describe how electricity can be generated from hydel power.

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(d) Power sources are vital for economic development in Pakistan.

To what extent can hydel power be relied upon for the future economic 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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[Total: 25]

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3 (a) (i) Study Figs. 3.1, 3.2, 3.3 and 3.4 (Insert), photographs showing four different crops grown in Pakistan.

Identify the type of crop shown in each photograph.

Fig. 3.1 .....

Fig. 3.2 .....

Fig. 3.3 .....

Fig. 3.4 .....

[4]

(ii) Using Fig. 3.1 (Insert) **only**, describe the characteristics of the crop shown.

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(b) (i) Study Fig. 3.5, a map showing sheep-rearing areas in southern Pakistan.

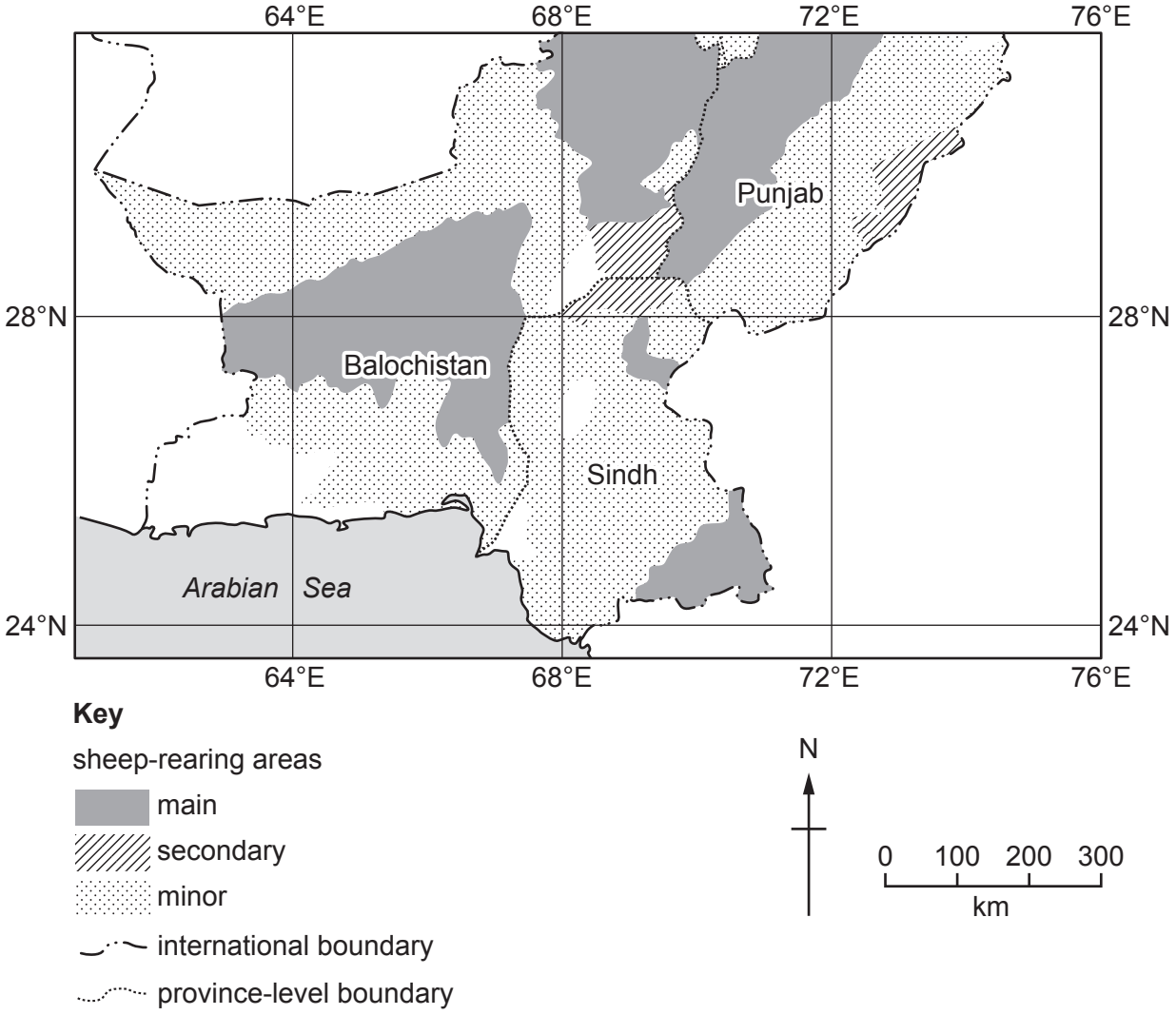

Fig. 3.5

Using Fig. 3.5 **only**, describe the distribution of the main sheep-rearing areas.

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..... [3]

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(ii) Explain **two** reasons why sheep are reared in the areas shown in Fig. 3.5. You should develop your answer.

1 .....

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[4]

(c) (i) Define 'cash crop farming'.

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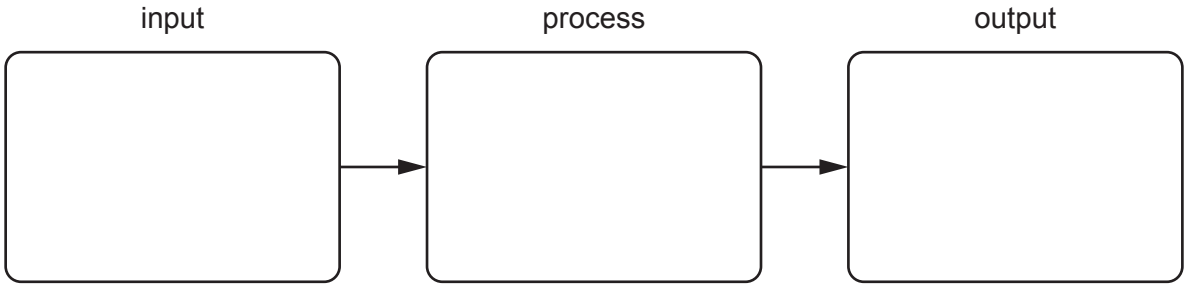
..... [1]

(ii) **Complete** the diagram to show how cash crop farming operates as a system. You should give **one** example of:

- an input;
- a process;
- an output.



[3]

(iii) Suggest **two** ways agricultural production in Pakistan could be increased.

1 .....

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2 .....

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[2]

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(d) Pakistan has a large agricultural sector which contributed around 20 per cent to its Gross Domestic Product (GDP) in 2020.

Evaluate the opportunities for, and challenges of, continuing to develop agriculture sustainably 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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4 (a) (i) Study Fig. 4.1, a diagram showing the intended destination for the main products of some of Pakistan's major industries.

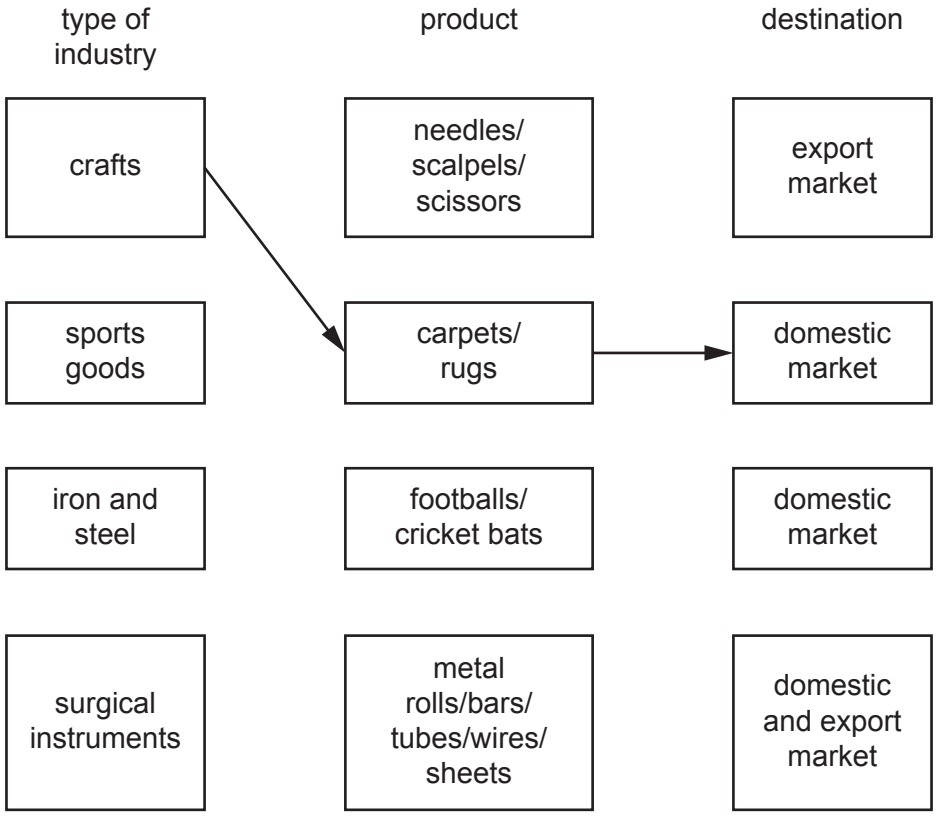

Fig. 4.1

Complete Fig. 4.1 by using arrows to match the type of industry with the correct product and its main destination. An example has been done for you. [3]

(ii) State **one** city where each of the following industries takes place in Pakistan.

sports goods .....

iron and steel .....

surgical instruments .....

[3]

(iii) To which sector do the types of industry named in **(a)(i)** belong? **Circle** the correct answer.

primary secondary tertiary [1]

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[Turn over

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(b) (i) Study Fig. 4.2 (Insert), a photograph taken inside a steel mill in Pakistan.

Using Fig. 4.2 **only**, describe **three** features of the steel mill shown.

1 .....

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2 .....

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[3]

(ii) Study Fig. 4.3, a line graph showing changes in the percentage share of total employment by employment sector in Pakistan between 2012 and 2020.

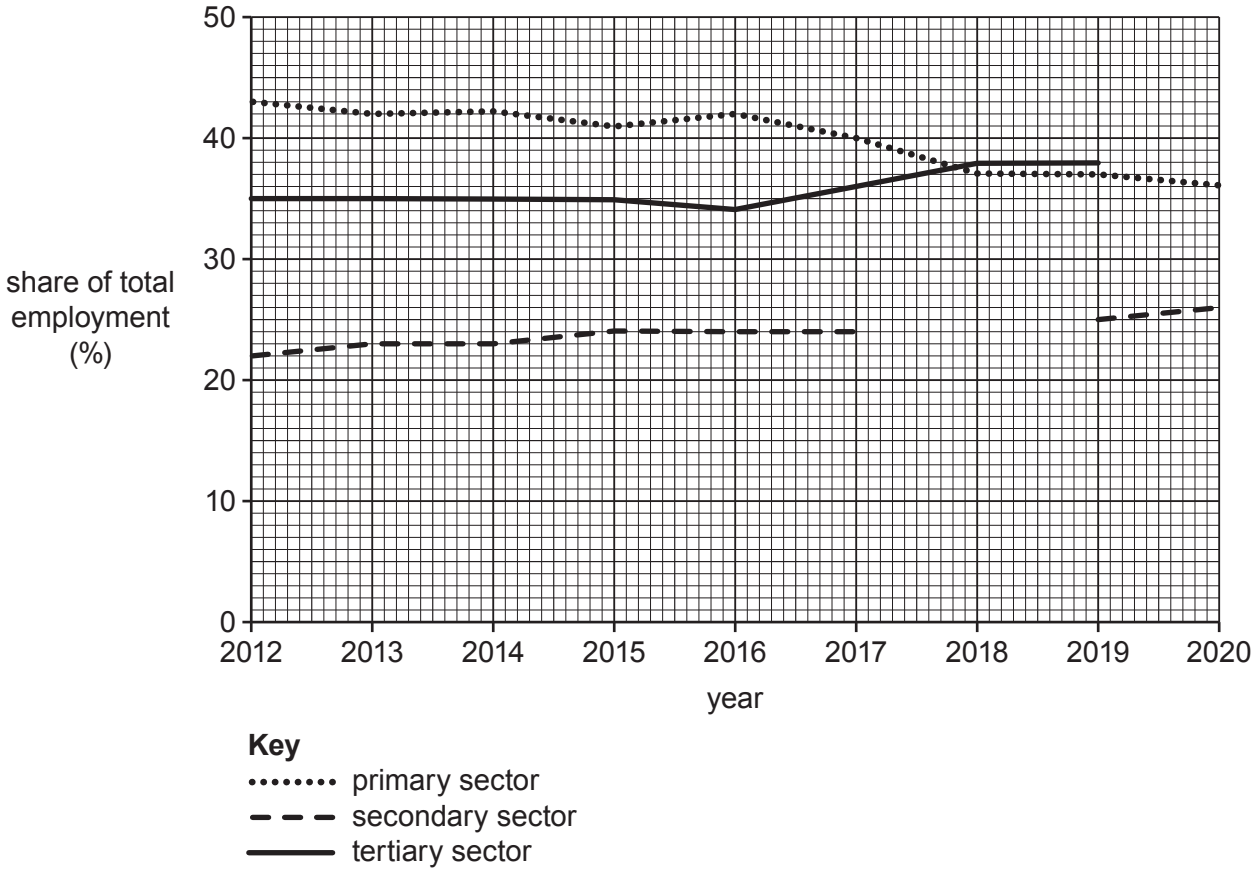

Fig. 4.3

Complete Fig. 4.3 by plotting the percentage share employed in the secondary sector in 2018 and the tertiary sector in 2020 using the information below.

sector	year	percentage (%)
secondary	2018	25
tertiary	2020	38

[2]

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(iii) Suggest reasons for the changes in the percentage share of total employment for each employment sector shown in Fig. 4.3.

primary .....

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secondary .....

.....

tertiary .....

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[3]

(c) Explain **two** factors influencing the location of the iron and steel industry in Pakistan. You should develop your answer.

1 .....

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[4]

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(d) The informal sector plays an important role within many of Pakistan's major industries.

To what extent does informal labour benefit the economic 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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5 (a) (i) Study Fig. 5.1 (Insert), a map showing part of the urban area of Islamabad.

Using Fig. 5.1 **only**, describe the location of the 'National Institute of Health'.

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..... [3]

(ii) Using Fig. 5.1 **only**, identify **two** areas used for leisure and recreation.

1 .....

2 .....

[2]

(iii) Fig. 5.1 shows an area around the edge of Islamabad that could be used for future development. Suggest **three** ways in which this area could be developed for leisure and tourism.

1 .....

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[3]

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(b) (i) Define 'death rate'.

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..... [1]

(ii) Explain **two** ways in which death rates can be reduced in Pakistan. You should develop your answer.

1 .....

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[4]

(iii) Life expectancy is the average number of years a person is likely to live from birth. Suggest **two** ways that an increasing life expectancy could benefit Pakistan.

1 .....

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2 .....

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[2]

(c) Describe why seasonal migration occurs in Pakistan.

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(d) Physical and social factors contribute to variations in population density.

Assess the importance of these factors in causing differences in population density between provinces / administrative areas 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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Additional page

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