



**Cambridge International Examinations**  
Cambridge International General Certificate of Secondary Education

CANDIDATE NAME

CENTRE NUMBER

CANDIDATE NUMBER



**PAKISTAN STUDIES**

**0448/02**

Paper 2 The Environment of Pakistan

**May/June 2016**

**1 hour 30 minutes**

Candidates answer on the Question Paper.

**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 Fig. 2 for Question 1, Fig. 3 for Question 2 and Photograph A for Question 4.

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 **22** printed pages, **2** blank pages and **1** insert.

1 (a) Study Fig. 1 which is a map of northern Pakistan.

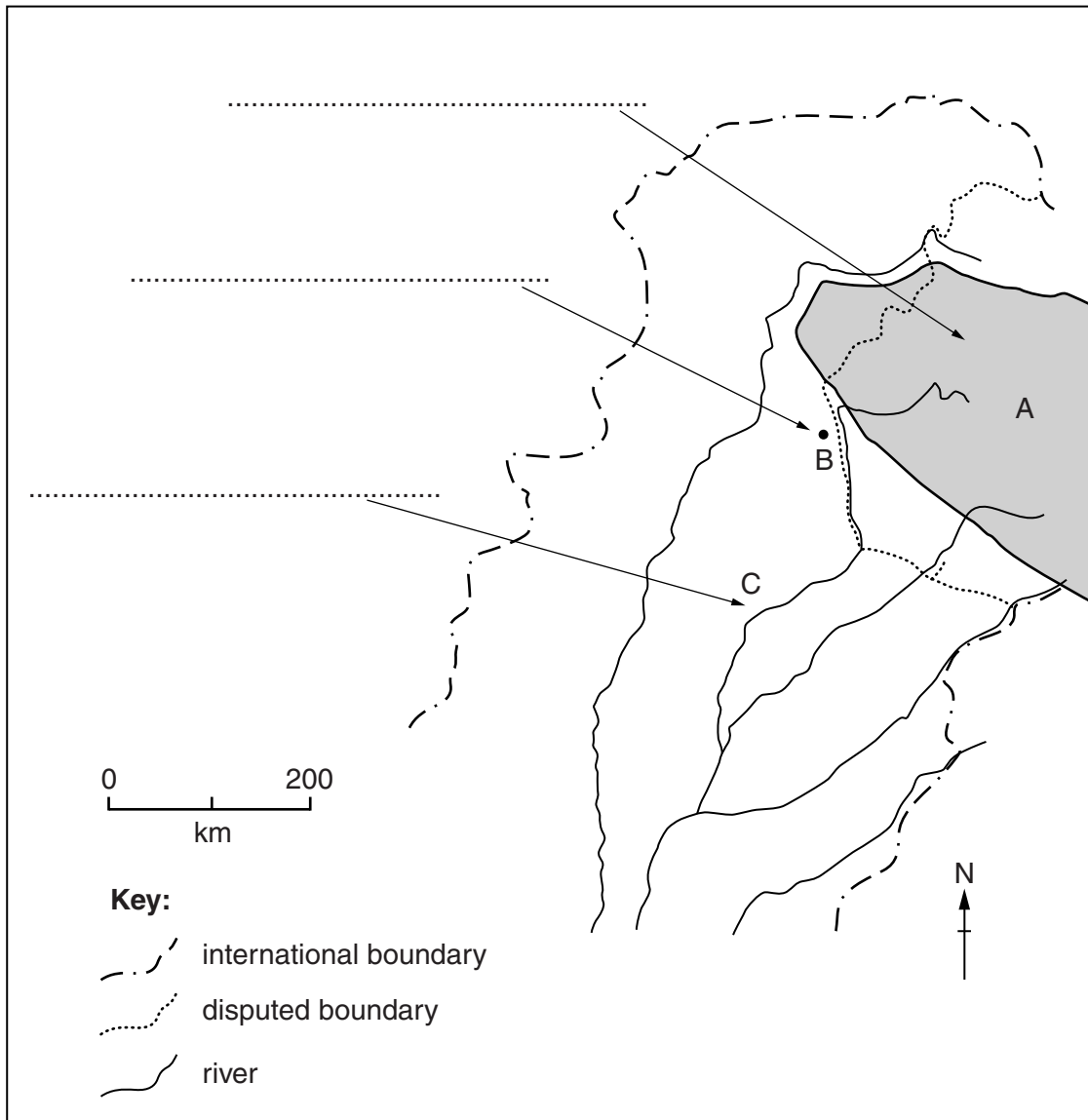


Fig. 1

(i) On the map name the following:

- Mountain range A
- City B
- River C

[3]

(ii) Explain the causes of high rainfall at city B.

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.....[4]

(b) (i) What is meant by the term 'population density'?

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.....[1]

(ii) Which province in Pakistan has the highest population density?

.....[1]

(iii) Explain the physical factors that cause areas such as the province you named in (ii) to have a high population density.

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.....[4]

(c) Study Fig. 2 (Insert) which shows two population pyramids for Pakistan.

(i) What information is displayed in a population pyramid?

.....  
.....  
.....  
.....[2]

(ii) Identify **two** ways in which Pakistan’s population structure is forecast to change between 2014 and 2040.

1 .....  
.....  
2 .....  
.....[2]

(iii) Give **one** possible reason for **each** change identified in (ii).

1 .....  
.....  
2 .....  
.....[2]

(d) Read the following two views about overpopulation in Pakistan:

**A**

The problems caused by overpopulation can only be solved by increasing resources such as food, housing, and essential services.

**B**

The needs of the people can only be met if population growth can be controlled.

Which view do you agree with more? Give reasons to support your answer and refer to places or examples you have studied.

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..... [6]  
**[TOTAL: 25]**

2 (a) (i) Suggest **one** reason why farming is more productive on flat land.

.....  
.....[1]

(ii) Many processes are involved in rice cultivation. **In the boxes below**, place the following processes in the order in which they occur.

flooding                    sowing                    draining                    transplanting

1	ploughing
2	
3	
4	
5	
6	harvesting

[2]

(iii) Explain how **one** of the processes you named in (ii) is carried out on a small-scale subsistence farm.

Process .....

Explanation .....

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.....[3]

(iv) Describe the natural factors needed to produce the highest yields of rice.

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.....[3]

(b) Study Fig. 3 (Insert) which gives information about the Gross Domestic Product (GDP) of Pakistan for 2014 by sector.

(i) State what might be in categories A and B in Fig. 3.

A .....

B ..... [2]

(ii) For **one** sector in Fig. 3 explain how its contribution to GDP could be increased.

Sector .....

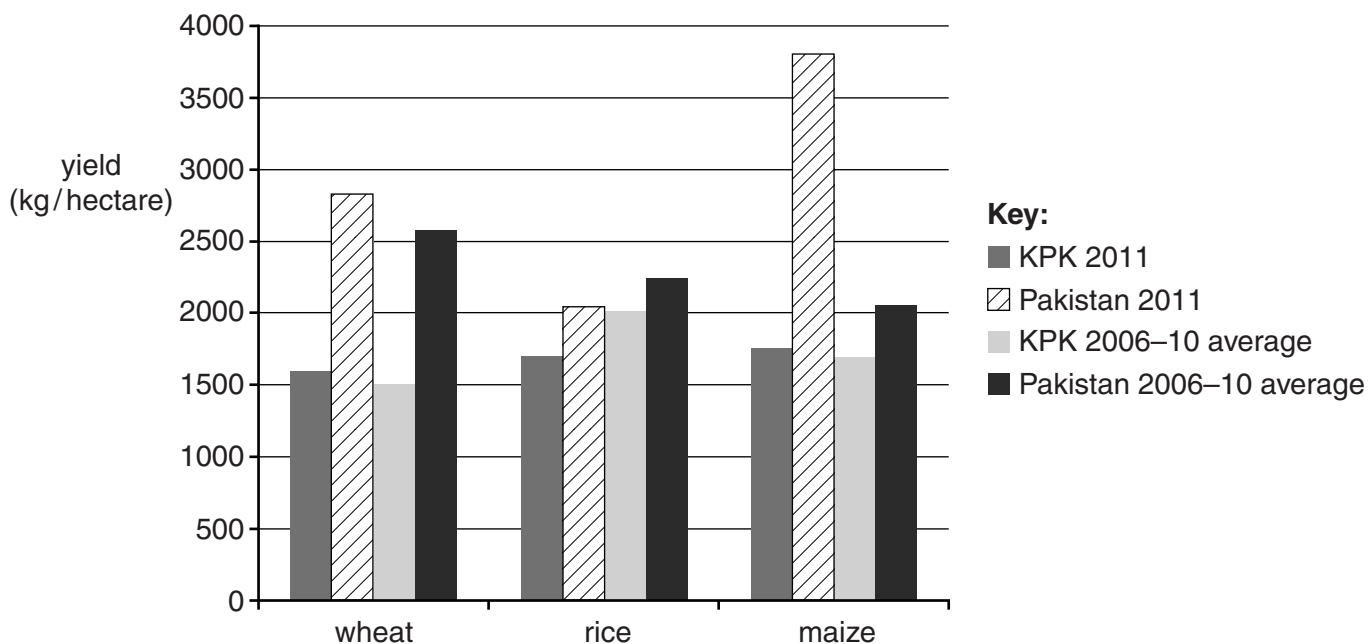
Explanation .....

.....

.....

..... [2]

(c) Study Fig. 4 which gives information about the yields of three crops grown in Khyber Pakhtunkhwa (KPK).



**Fig. 4**

(i) A. Which crop had the lowest yield in KPK on average over the years 2006-10?

.....

B. In 2011 what was the difference in maize yield between KPK and Pakistan?

.....[2]

(ii) Using Fig. 4 and your own knowledge explain the problems for agriculture in KPK province.

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.....[4]



(d) Read the following article:

The Lowari Tunnel is due to open in 2017. It is 8.6 km long and will give Chitral Valley its only all-weather road to the rest of Pakistan.  
For some in Chitral Valley this tunnel will be of real benefit but for others it will create problems.

To what extent does the Lowari Tunnel benefit or create problems for the local people and economy of Chitral? Give reasons for your answer.

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[6]

**[TOTAL: 25]**

3 (a) Study Fig. 5 which gives information about employment in Pakistan by sector.

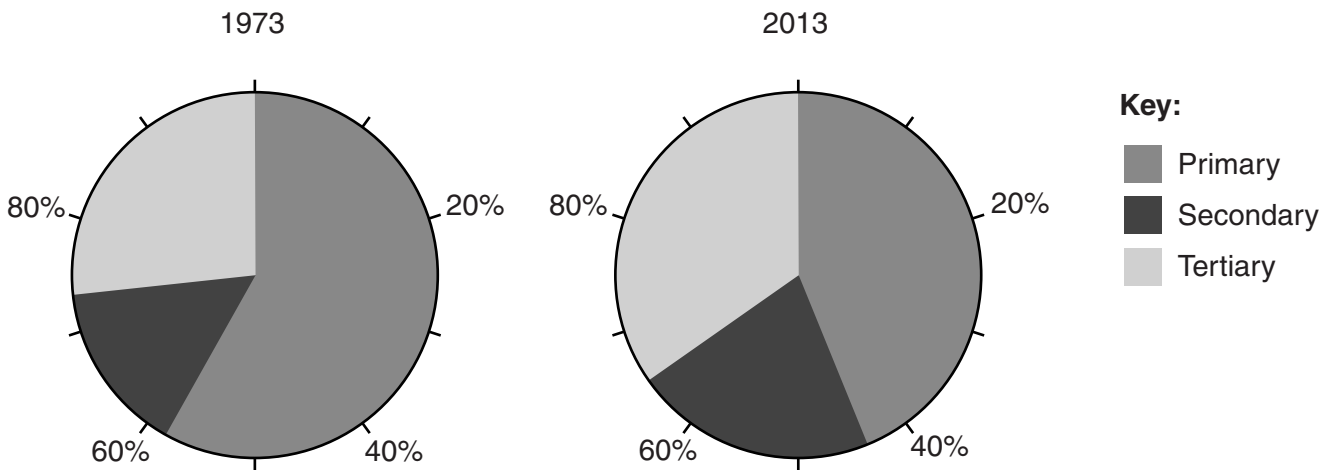


Fig. 5

(i) A. State the proportion of primary sector employment in 1973.

.....

B. By how much has secondary employment increased between 1973 and 2013?

..... [2]

(ii) Suggest reasons for the change in tertiary employment shown in Fig. 5.

.....

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.....

..... [3]

(b) (i) What are the causes of unemployment and underemployment in urban areas of Pakistan?

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

(ii) Suggest **two** reasons why unemployment is difficult to measure in countries such as Pakistan.

1 .....  
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2 .....  
.....[2]

(c) (i) Study Fig. 6 which shows the distribution in Pakistan of selected cottage industries and the engineering industry.

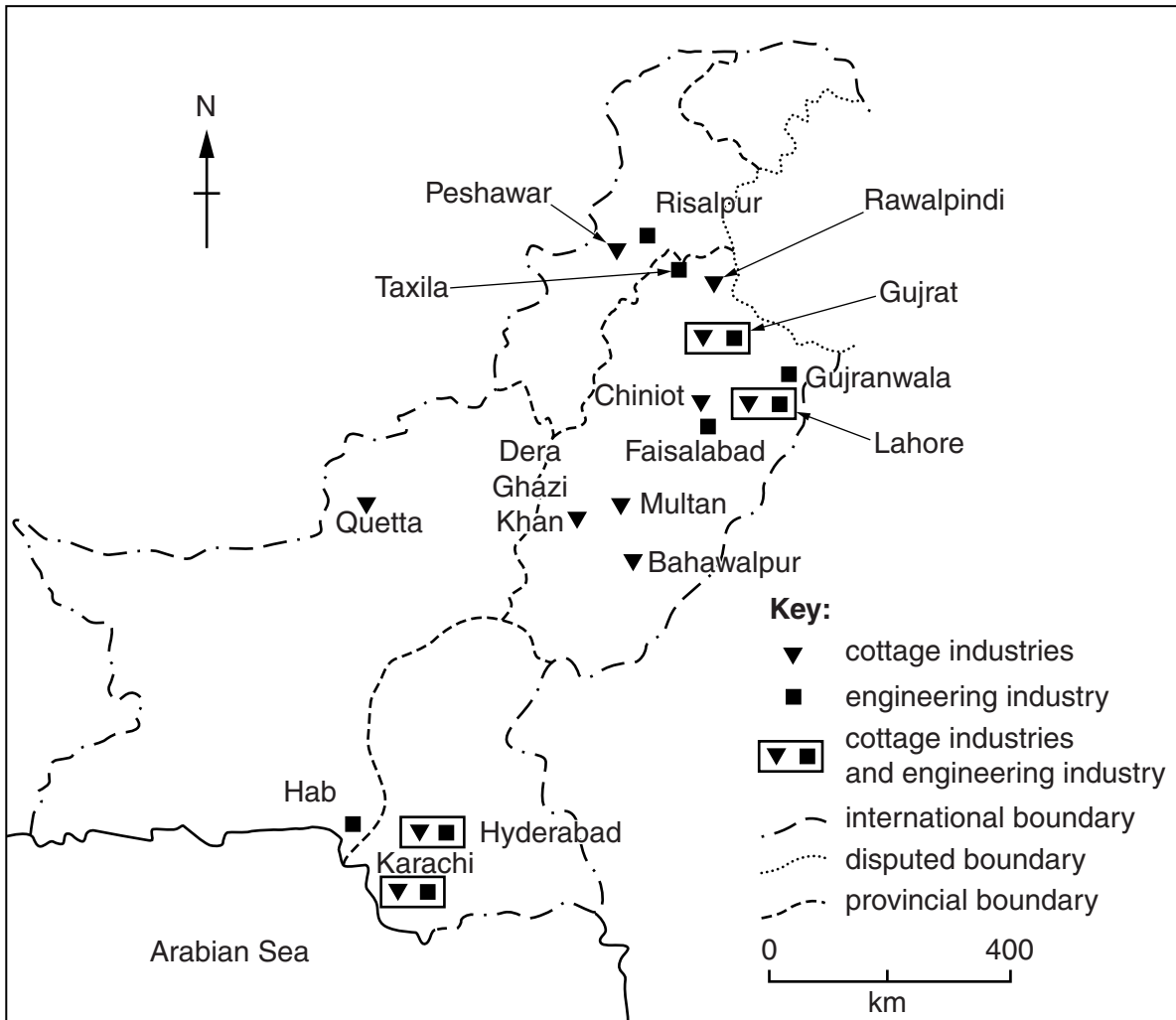


Fig. 6

A. Give an example of a cottage industry.

.....[1]

B. Compare the distribution of cottage industries and engineering industry as shown in Fig. 6.

.....

.....

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.....

.....[3]

- (ii) For the products of **either** cottage industry **or** engineering industry, identify your chosen industry and circle a suitable method of transport.

Chosen industry .....

air      road      ship      rail [1]

- (iii) Suggest **one** advantage of using this method of transport for your selected industry.

.....  
.....[1]

- (iv) Explain what is meant by the term 'small-scale industry'.

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.....[3]



4 (a) (i) Study Fig. 7 which is a diagram of an HEP (Hydel) power station.

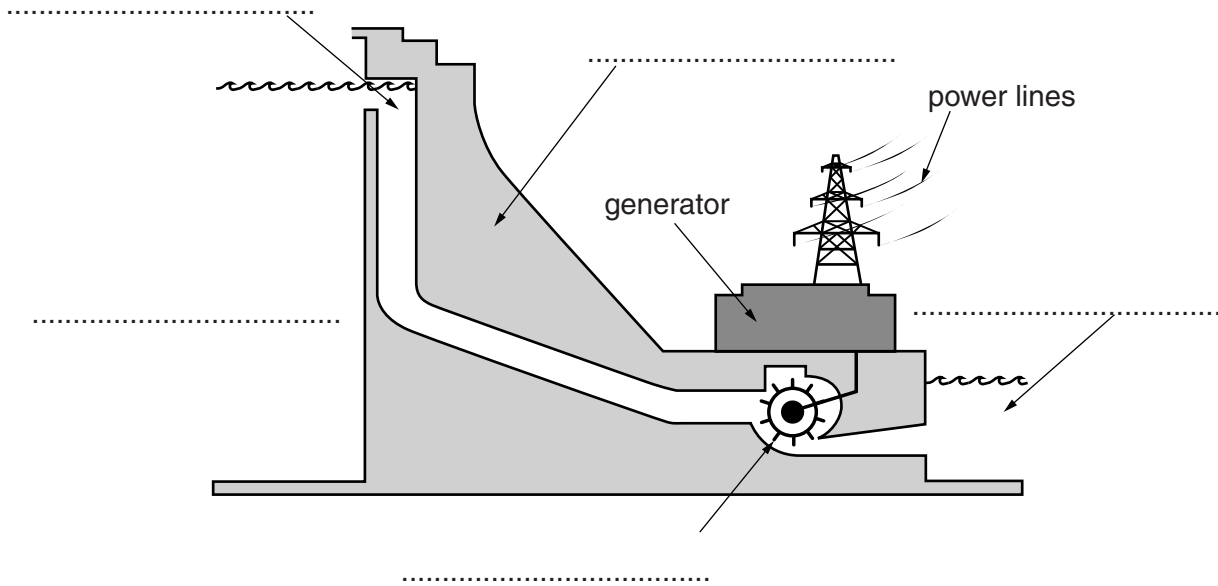


Fig. 7

A. **On the diagram** place an arrow or arrows to indicate the direction of movement of water through the power station.

B. Choose **two** terms from the list below and use them to label the diagram in **two** of the spaces provided.

- outflow      turbine      reservoir      dam [3]

(ii) Name **one** multi-purpose dam in Pakistan.

.....[1]

(iii) Give **two** uses for a dam such as the one you named in (ii).

1 .....

2 .....[2]

(b) (i) Study Photograph A (Insert). Identify the type of forest vegetation shown in the photograph.

.....[1]

(ii) Study Fig. 8 which gives information about different types of forested area in Pakistan.

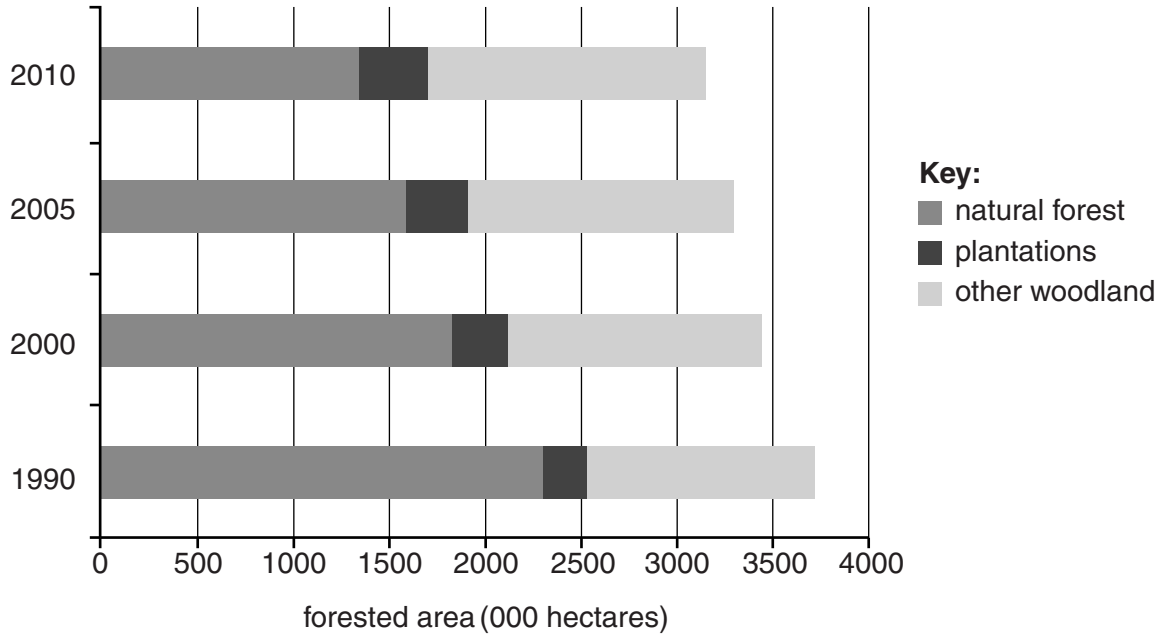


Fig. 8

Describe **one** main change in forested area over the period shown.

.....  
.....[1]

(iii) State the main difference between natural forest and plantations.

.....  
.....[1]







5 (a) Study Fig. 9 which is a map of southern Pakistan.

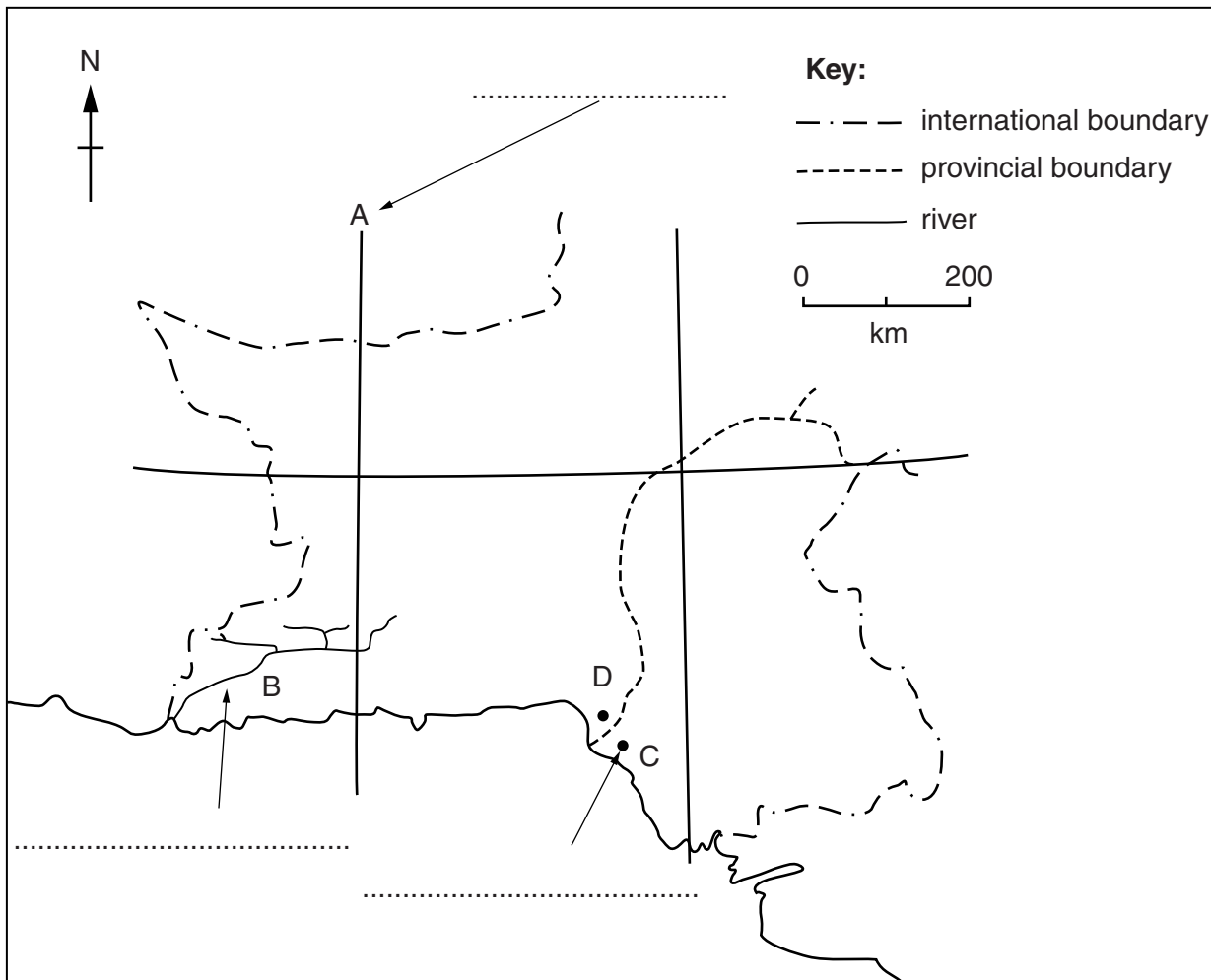


Fig. 9

(i) On the map name the following:

- Line of longitude A
- River B
- City C

[3]

(ii) Explain the advantages of locating an industrial estate at D.

.....

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.....[4]

(b) (i) What are Export Processing Zones (EPZs)?

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.....[1]

(ii) Describe the features of an EPZ.

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.....[3]

(c) Study Fig. 10 which gives information about the number of internet users and telephone lines in Pakistan.

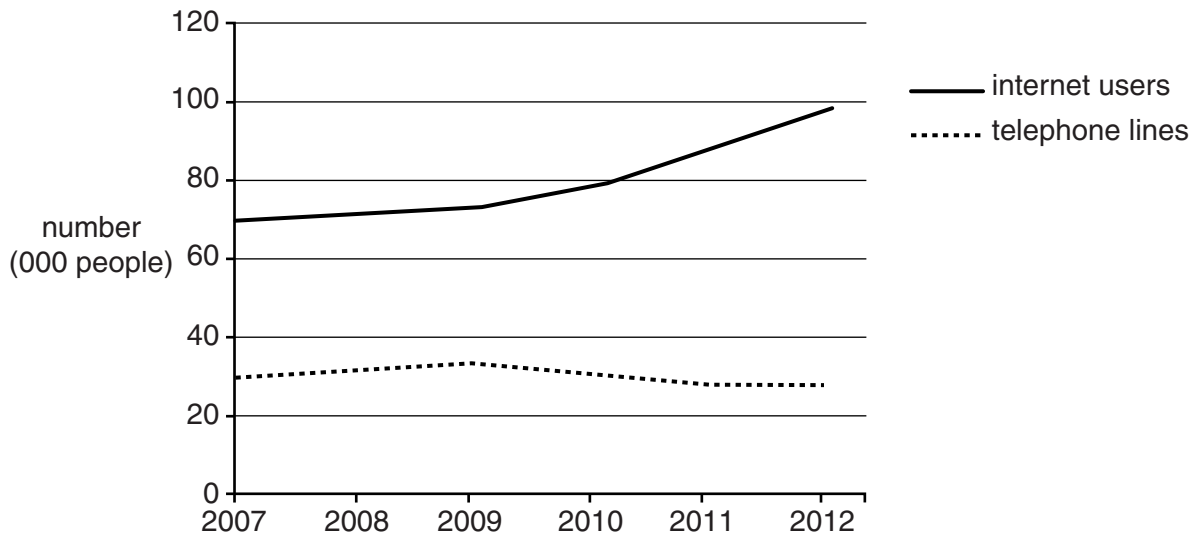


Fig. 10

(i) How many more people were using the internet in 2012 than in 2007?

.....[1]

(ii) A. Describe **one** difference between the number of internet users and the number of telephone lines over the period 2007 to 2012.

.....

.....

B. Suggest **one** reason for the change in the number of telephone lines over the same period.

.....

.....[2]

(iii) What problems might there be in extending Information Technology (IT) throughout Pakistan?

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