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PAKISTAN STUDIES**2059/02**

Paper 2 The Environment of Pakistan

May/June 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.

The Insert contains Photograph A for Question 1 and Photographs B and C for Question 2.

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.

1 (a) (i) What is meant by each of the following terms?

A Subsistence crop farming

B Cash crop farming [2]

(ii) From the list below, choose **one** example of a crop that is mainly grown as a subsistence crop and **one** that is mainly grown as a cash crop.

- rice sugar cane oilseeds vegetables cotton wheat

Subsistence crop

Cash crop [2]

(iii) What are the advantages and disadvantages of using High Yielding Varieties of crops?

Advantages	Disadvantages
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[4]

(b) Study Fig. 1, which shows population growth rates for selected provinces over three time periods.

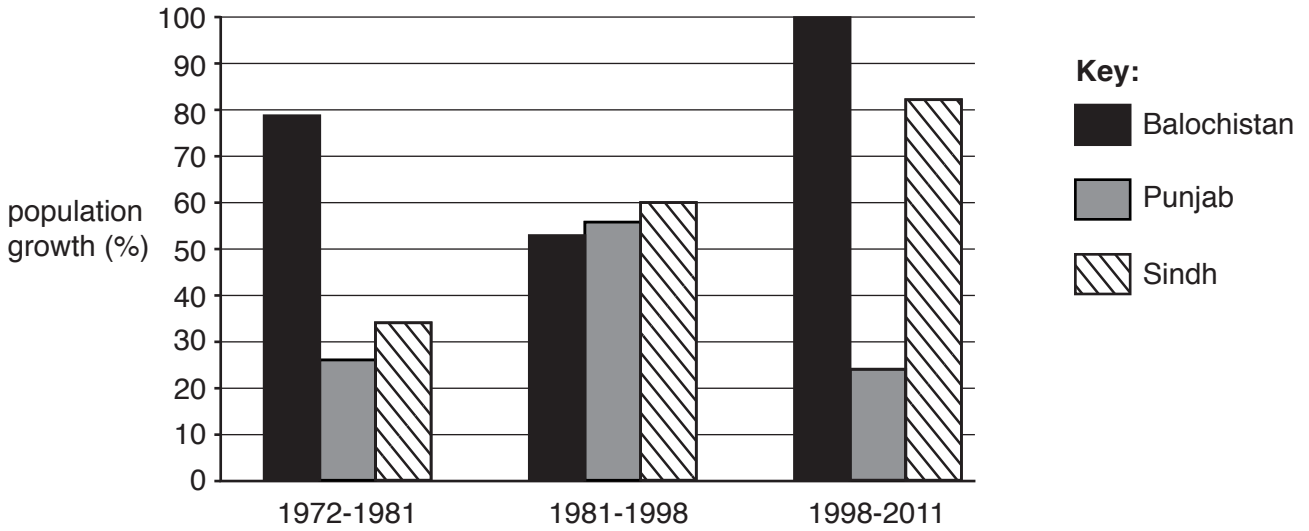


Fig. 1

(i) A What was the population growth rate for Punjab between 1972 and 1981?

.....

B Which province showed an increase in population growth rate in every period?

.....[2]

(ii) Identify **one** difference between the population growth rates of Balochistan and Punjab.

.....

.....[1]

(iii) Explain **two** factors which have contributed to population growth in Pakistan. You should develop your answer.

.....

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.....[4]

(c) Study Photograph A (Insert).

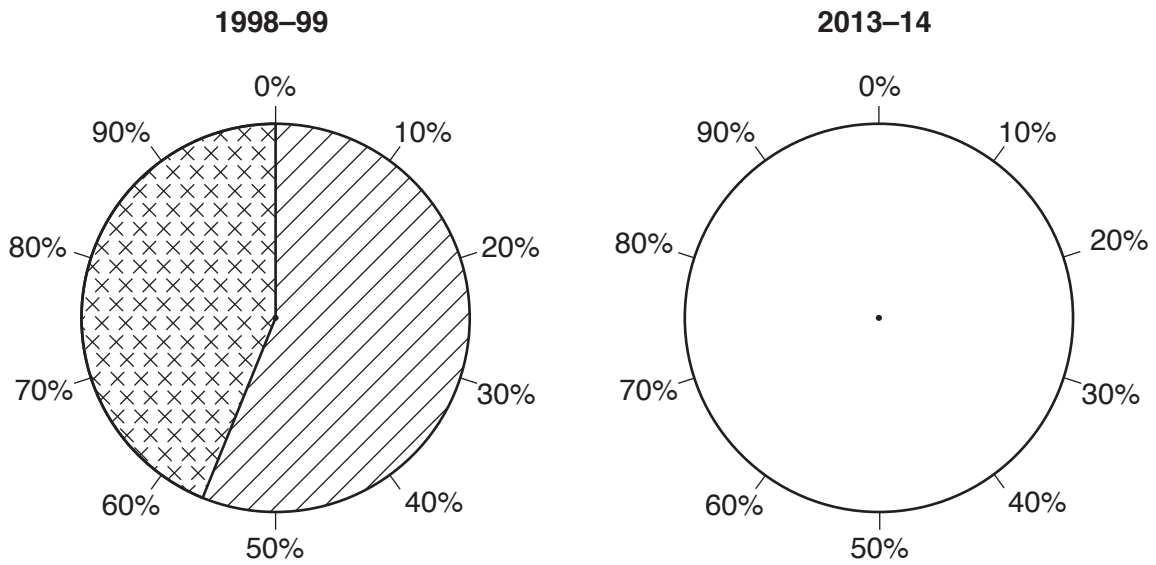
(i) Describe the type of farming shown in the photograph.

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

(ii) How is the keeping of buffalo different from the type of farming in Photograph A?

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

2 (a) Study Fig. 2, which shows changes in road type in Pakistan over a 15-year period.



Key:

 Metalled


 Unmetalled

Fig. 2

(i) Complete the pie chart for 2013–14 by using the following information and the key provided:

Road type	Percent
Metalled	73
Unmetalled	27

[2]

(ii) State the increase in the percentage of metalled roads in Pakistan between 1998–99 and 2013–14.

.....[1]

(iii) Suggest **two** advantages of developing the motorway network in Pakistan.

1

.....

2

.....[2]

(iv) Explain the difficulties of building roads in the desert areas of Pakistan. You should develop your answer.

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.....[4]

(b) Study Photographs B and C (Insert), which show typical working scenes in rural areas.

(i) Using Photograph B and your own knowledge, describe how bricks are made in rural areas.

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.....[3]

(ii) Describe the work being done in Photograph C.

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

(c) (i) Why is employment in urban areas considered to be more attractive than employment in rural areas?

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

(ii) State **three** pull factors that attract migrants to urban areas **other than** for work.

1
.....
2
.....
3
..... [3]

3 (a) Study Fig. 3, which ranks Pakistan’s main trading partners for imports and exports in 2013.

Rank	Origin of imports	Rank	Destination of exports
1	UAE	1	USA
2	China	2	China
3	Saudi Arabia	3	Afghanistan
4	Kuwait	4	UAE
5	India	5	Germany
6	Malaysia	6	UK

Fig. 3

(i) Name a country which is a main trading partner for both imports and exports.

.....[1]

(ii) For **either** imports **or** exports suggest reasons why the countries listed are important trading partners for Pakistan.

Choice

.....

[3]

(b) Study Fig. 4, which shows the amount of coal produced in Pakistan over the period 1980–2012.

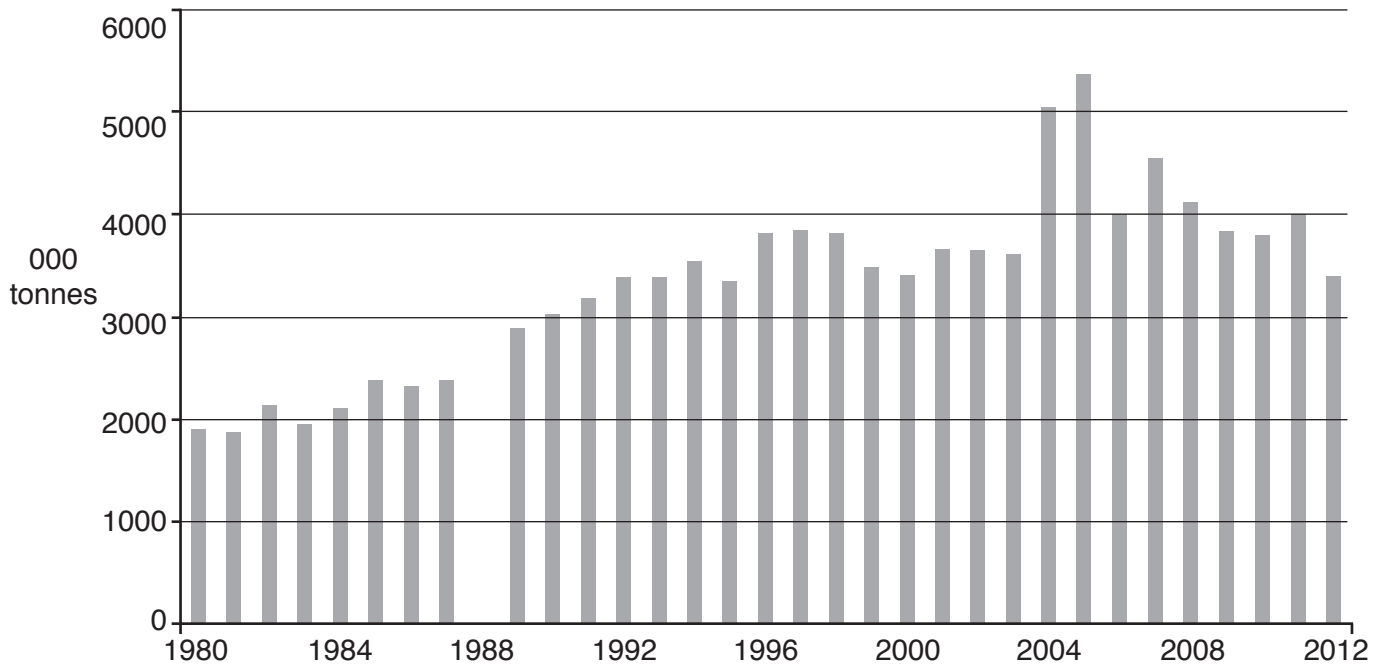


Fig. 4

(i) Name **two** coal producing areas in Pakistan.

1

2 [2]

(ii) A Complete Fig. 4, by drawing the bar for 1988. The amount of coal produced in 1988 was 3 million tonnes.

B In which year did coal production peak?

.....

C How has coal production changed since its peak? **Circle** the correct answer.

increased

decreased

stayed the same

[3]

(iii) Explain why the amount of coal being extracted in Pakistan has changed since its peak. You should develop your answer.

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..... [4]

(c) Pakistan usually has a negative balance of trade.

(i) What is meant by the term 'balance of trade'?

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.....

..... [1]

(ii) What are the reasons for having a negative balance of trade?

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..... [3]

(iii) Suggest **two** effects of a negative balance of trade on the national economy.

1

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2

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..... [2]

4 (a) (i) Study Fig. 5, which shows a diagram of the karez system of irrigation.

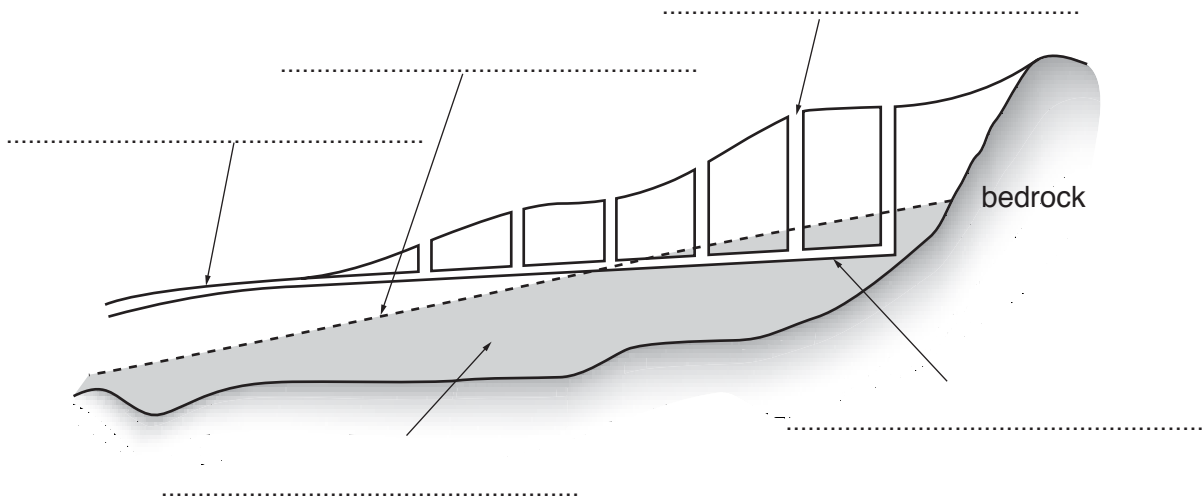


Fig. 5

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

maintenance shaft aquifer canal tunnel water table [3]

(ii) Give an example of a barrage in Pakistan and name the river it is on.

Barrage

River [2]

(iii) State why barrages are needed in Pakistan.

.....

 [2]

(b) (i) Describe **two** ways in which the atmosphere in Pakistan can be polluted.

1

.....

2

..... [2]

(ii) Explain how the use of chemical fertilisers on farms damages the natural environment. You should develop your answer.

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.....[4]

(c) Study Fig. 6, which shows water use by sector in Pakistan in 2008.

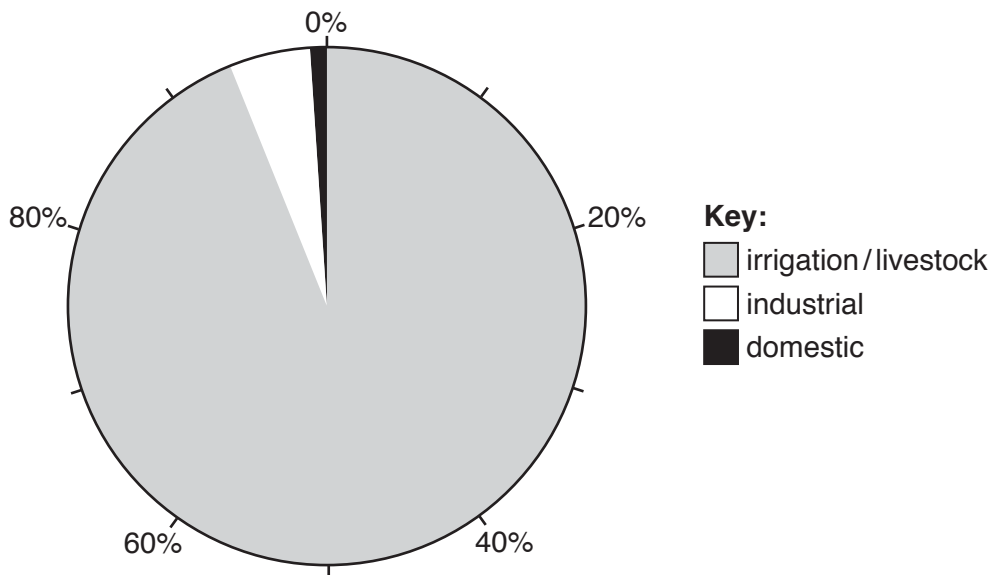


Fig. 6

(i) A Which sector used least water?

.....

B How much water was used by the irrigation/livestock sector?

.....[2]

(ii) Name a type of industry that uses large amounts of water.

.....[1]

(iii) About 60% of irrigation water is lost before it reaches crops. Give **three** reasons why irrigation water is lost in this way.

1

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2

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3

.....[3]

- 5 (a) Study Fig. 7, which shows the amount of oil produced in Pakistan and the amount of oil imported, for selected years.

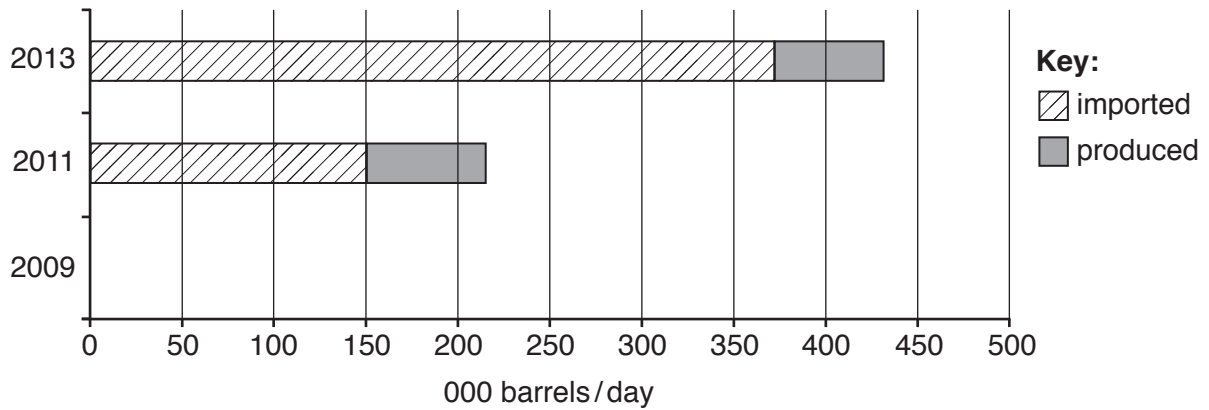


Fig. 7

- (i) Name the location of **one** oil refinery in Pakistan. Give **one** reason to suggest why it is located there.

Location

Reason

..... [2]

- (ii) Complete Fig. 7 by drawing the bar for 2009, using the information below:

2009	Barrels/day
Imported	185 000
Produced	60 000

[1]

- (iii) Compare the amount of oil produced and the amount of oil imported in Pakistan in the years 2011 and 2013.

.....

.....

.....

..... [2]

(iv) Give **two** reasons why Pakistan imports large amounts of oil.

1

.....

2

..... [2]

(b) Study Fig. 8, which shows population and electricity production in Pakistan over the period 2000–2014.

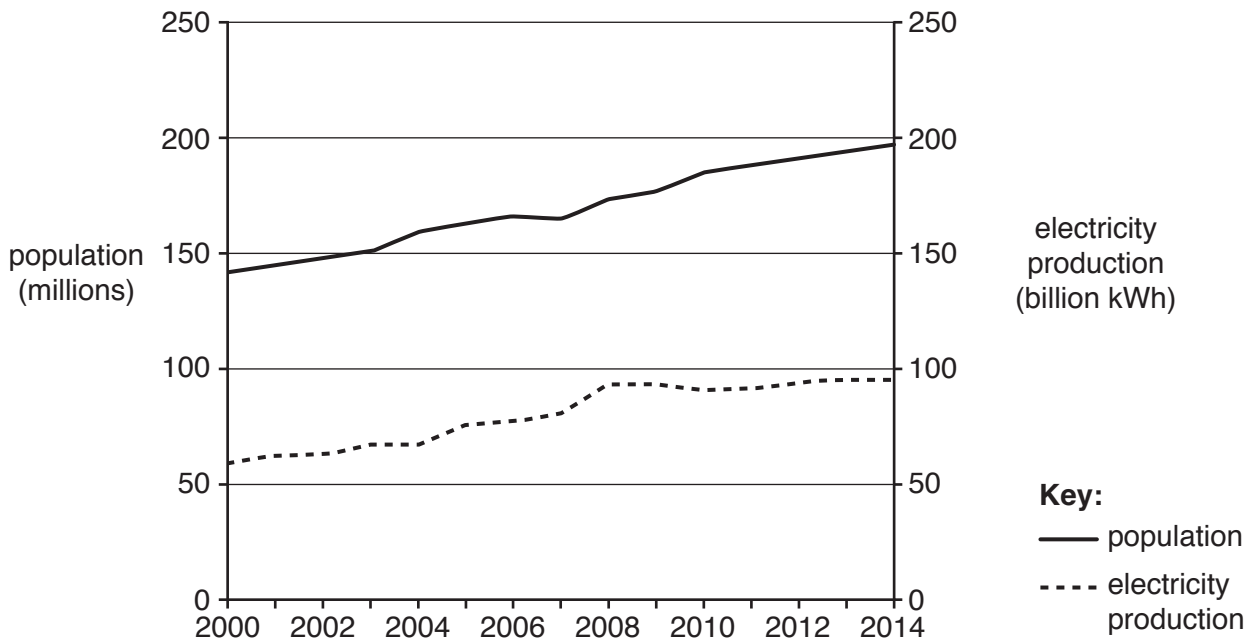


Fig. 8

(i) A Describe the relationship between population and electricity production from 2000 to 2008.

.....

.....

B Describe the changes in population and electricity production since 2008.

.....

..... [2]

(ii) Explain why electricity production does not meet the demand for electricity in many parts of Pakistan. You should develop your answer.

.....

 [4]

(c) (i) Electricity can be generated using solar power. Complete the passage below by choosing the correct words from the list and placing them in the spaces provided.

Rectangular, solar are made up of many solar
 which convert the energy from the sun into electrical energy. They can
 be placed on the of houses and other buildings. Large arrays of solar
 panels can be sited on the ground, for example in deserts. Solar panels should face
 in order to collect as much of the sun’s energy as possible. Other
 solar power systems use the sun to heat water and the is then used to
 turn a turbine.

- | | | | | |
|-------|--------|-------|-------|------|
| roofs | panels | wind | steam | east |
| heat | light | south | cells | |

[3]

(ii) What are the disadvantages of generating electricity by wave and tidal power?

.....

 [3]

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