



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
General Certificate of Education Ordinary Level

CANDIDATE  
NAME

CENTRE  
NUMBER

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**PAKISTAN STUDIES**

**2059/02**

Paper 2 The Environment of Pakistan

**October/November 2012**

**1 hour 30 minutes**

Candidates answer on the Question Paper.

Additional Materials:      Insert

**READ THESE INSTRUCTIONS FIRST**

Write your Centre number, candidate number and name in the spaces provided.

Write in dark blue or black pen.

Do not use staples, paper clips, highlighters, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Answer any **three** questions.

The Insert contains Photograph A 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.

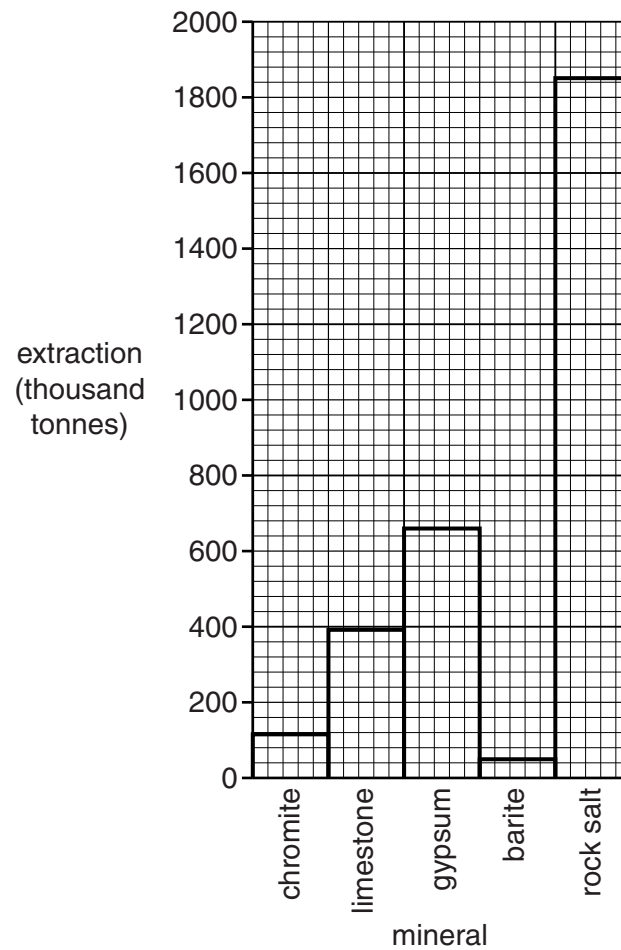
This document consists of **22** printed pages, **2** blank pages and **1** Insert.



Answer any **three** questions.

For  
Examiner's  
Use

- 1 (a) Study Fig. 1 which shows mineral extraction in 2008 in Pakistan.



**Fig. 1**

- (i) Name **two** minerals shown on Fig. 1 that are used to make cement.

1 .....

2 ..... [2]

- (ii) State **two** uses of rock salt.

1 .....

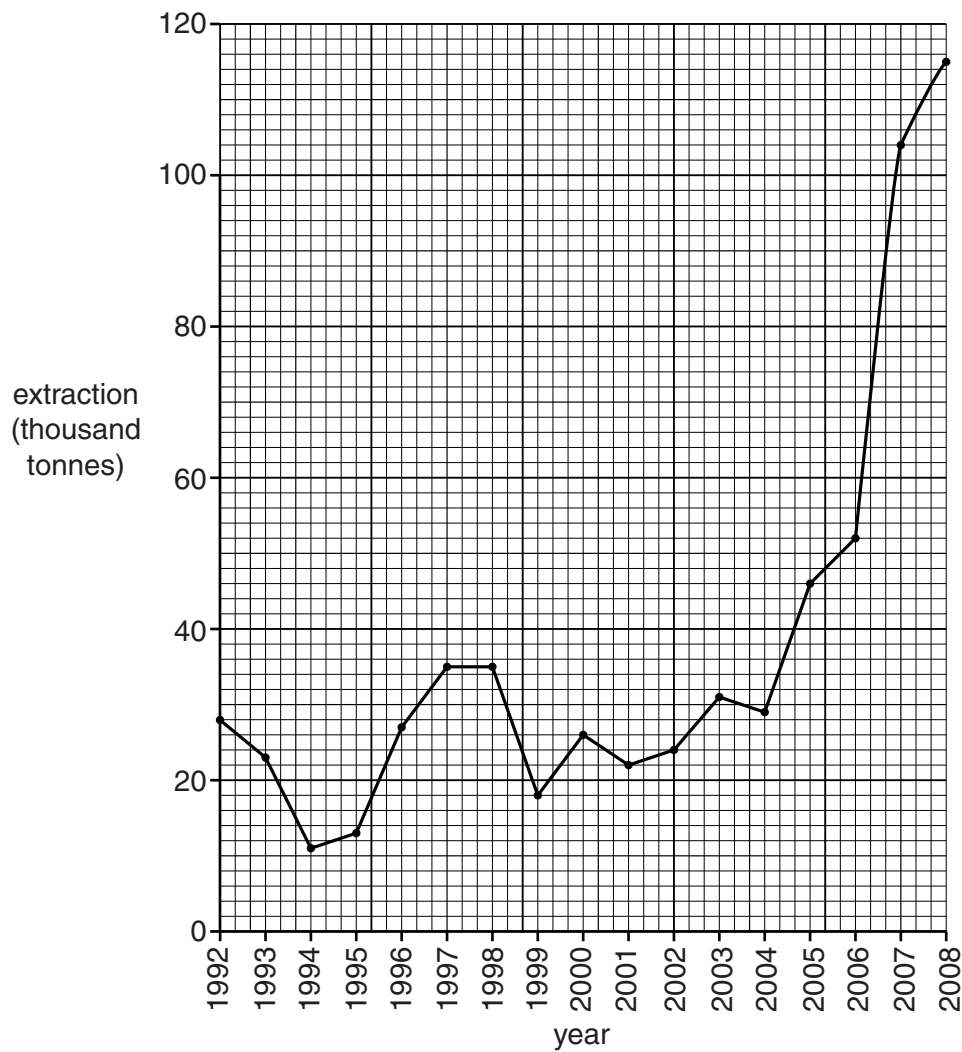
2 ..... [2]

- (iii) State the amount of gypsum extracted.

..... [1]

(b) Study Fig. 2 which shows chromite extraction in Pakistan.

For  
Examiner's  
Use



**Fig. 2**

(i) Describe the changes in extraction from 1992 to 2008.

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.....[3]

- (ii) Suggest why the extraction of minerals, such as chromite, varies from year to year.

For  
Examiner's  
Use

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- (c) Study Photograph A (Insert) which shows a quarry in Pakistan.

- (i) Use the photograph and your own knowledge to describe the environmental problems that can be caused by mineral extraction.

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(ii) How can these problems be reduced?

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Examiner's  
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.....[4]

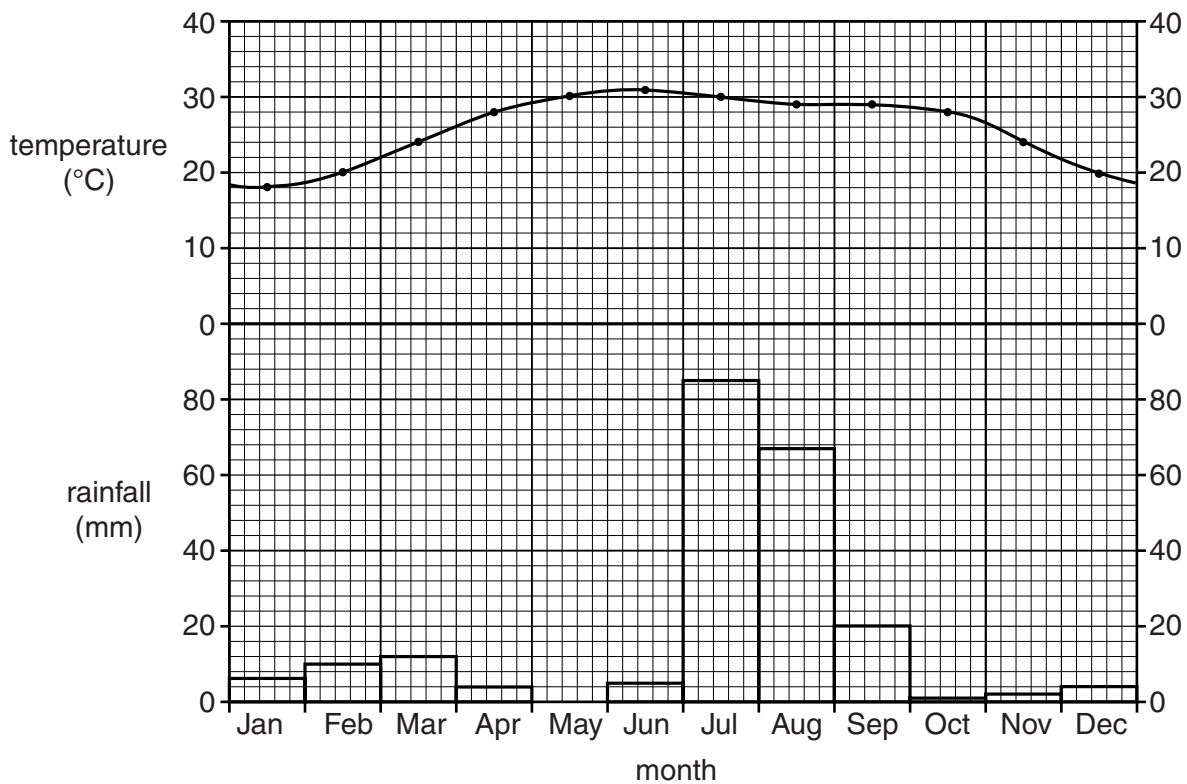
**(d)** To what extent can more extraction of mineral resources help to increase development in Pakistan?

.....[6]

[Total: 25]

- 2 (a) Study Fig. 3 which shows the climate of Karachi.

For  
Examiner's  
Use



**Fig. 3**

- (i) By how much does the temperature rise from January to May?

.....[1]

- (ii) Describe the pattern of rainfall during the winter season from October to March.

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

- (iii) With reference to Fig. 3 only, describe the climate of the months from June to September.

For  
Examiner's  
Use

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- (b) Explain the causes of the monsoon at Karachi.

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.....[4]

- (c) (i) Name the violent storms that form over the sea and that may affect Karachi.

.....[1]

- (ii) In which months may these occur?

.....[1]

- (iii) Explain how storms such as these may affect industry and communications in urban areas.

For  
Examiner's  
Use

[6]



**(d)** Read the article below.

For  
Examiner's  
Use

The continuing power cuts and load shedding in the expanding commercial city of Karachi must be addressed. The port city lies on the shores of the Arabian Sea, and has a windy and sunny climate.

The huge population and many industries generate a huge amount of waste that needs to be disposed of.

Assess the possibilities and problems for electricity generation other than by fossil fuels at Karachi.

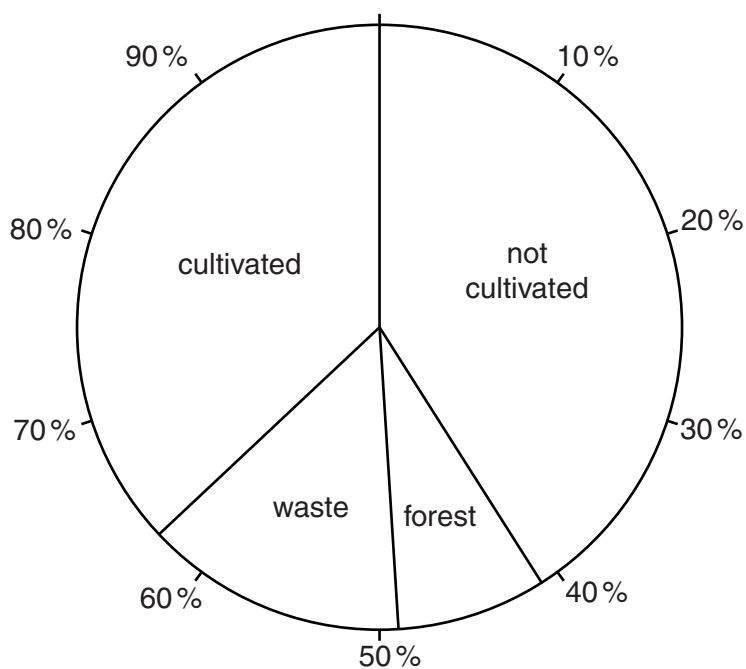
..... [6]

[Total: 25]



(b) Study Fig. 5 which shows the results of a land-use survey in Pakistan in 2008.

For  
Examiner's  
Use



**Fig. 5**

(i) What percentage of land is cultivated?

.....[1]

(ii) What percentage of land is waste?

.....[1]

(iii) Explain how soils are damaged by waterlogging and salinity.

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.....[4]

- (iv) Explain **three** reasons, other than by waterlogging and salinity, why over half the land was not cultivated when the survey was made.

For  
Examiner's  
Use

1 .....

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**(c)** To what extent could government action increase agricultural production in Pakistan?

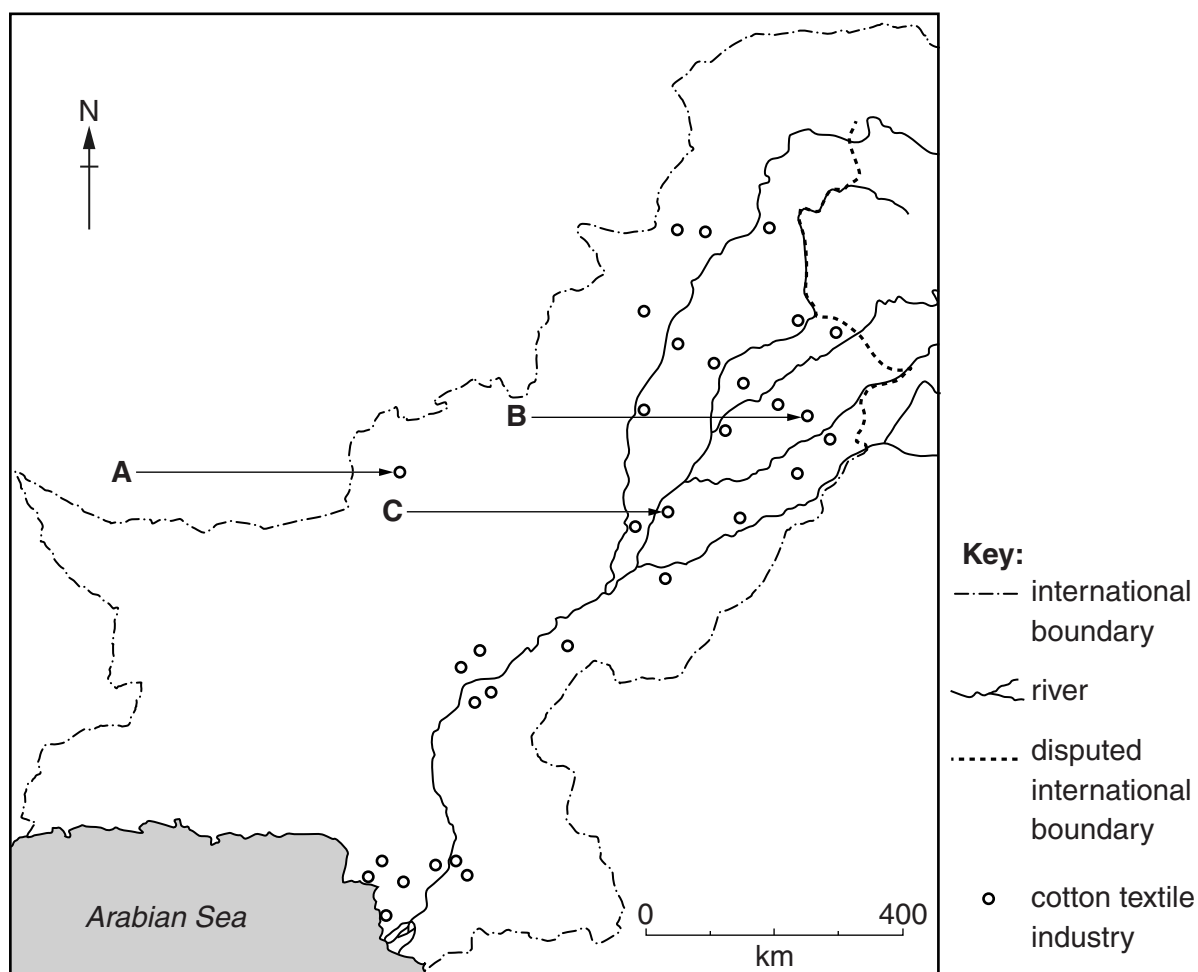
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..... [6]

[Total: 25]

- 4 (a) Study Fig. 6 which shows the distribution of the cotton textile industry in Pakistan.

For  
Examiner's  
Use



**Fig. 6**

- (i) Name the main centres of the cotton textile industry **A**, **B** and **C**.

**A** .....

**B** .....

**C** .....[3]

(ii) Describe the distribution of the cotton textile industry.

For  
Examiner's  
Use

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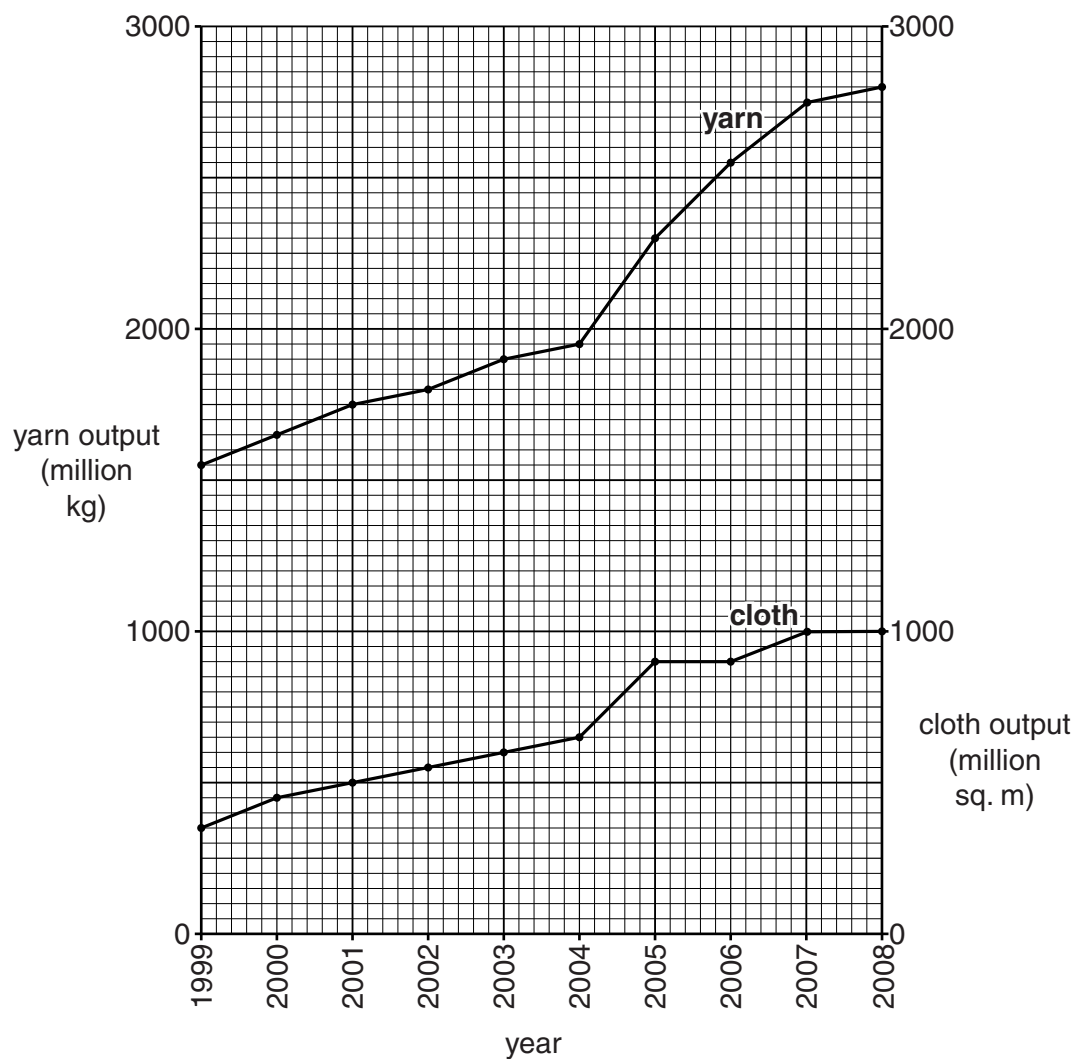
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.....[3]

(b) Study Fig. 7 which shows the output of yarn and cloth between 1999 and 2008.

For  
Examiner's  
Use



**Fig. 7**

- (i) Compare the outputs of cotton yarn and cotton cloth from 1999 to 2008 shown on Fig. 7.

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

- (ii) Suggest **one** reason for the difference in output of cotton yarn and cotton cloth, and explain your answer.

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



- (c) (i) Give an example of a job in each of the primary, secondary and tertiary sectors of the cotton industry.

For  
Examiner's  
Use

Primary .....

Secondary .....

Tertiary ..... [3]

- (ii) How is the proportion of workers employed in each of these sectors changing?

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..... [3]

- (iii) Explain why the changes you have stated in (c)(ii) may lead to unemployment.

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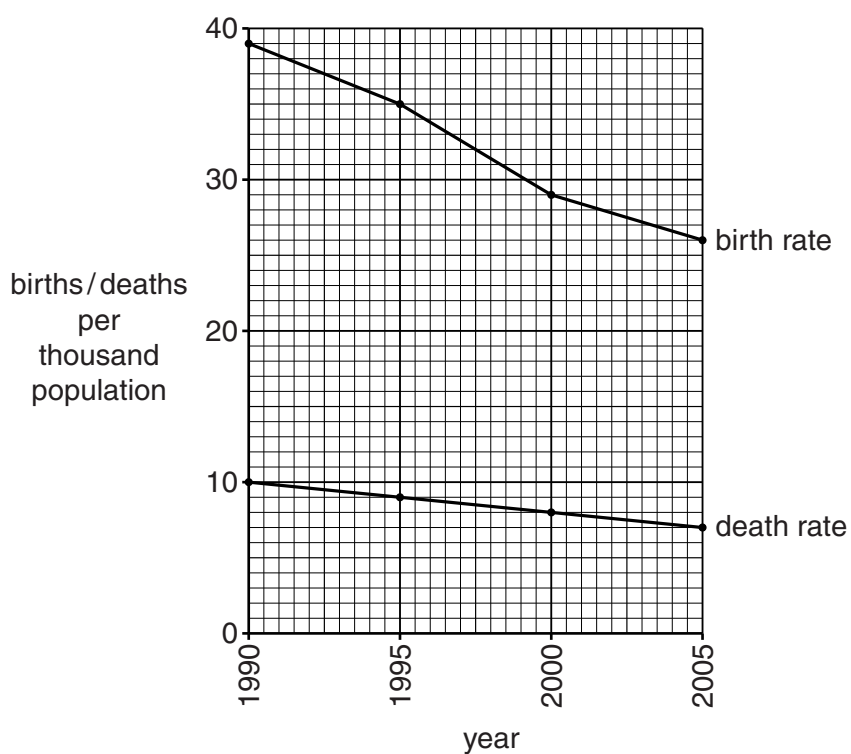
.....

..... [3]



- 5 (a) Study Fig. 8 which shows birth and death rates in Pakistan from 1990 to 2005.

For  
Examiner's  
Use



**Fig. 8**

- (i) State the birth rate and death rate in the year 2005.

Birth rate .....

Death rate ..... [2]

- (ii) By how much has each decreased since 1990?

Birth rate .....

Death rate ..... [2]

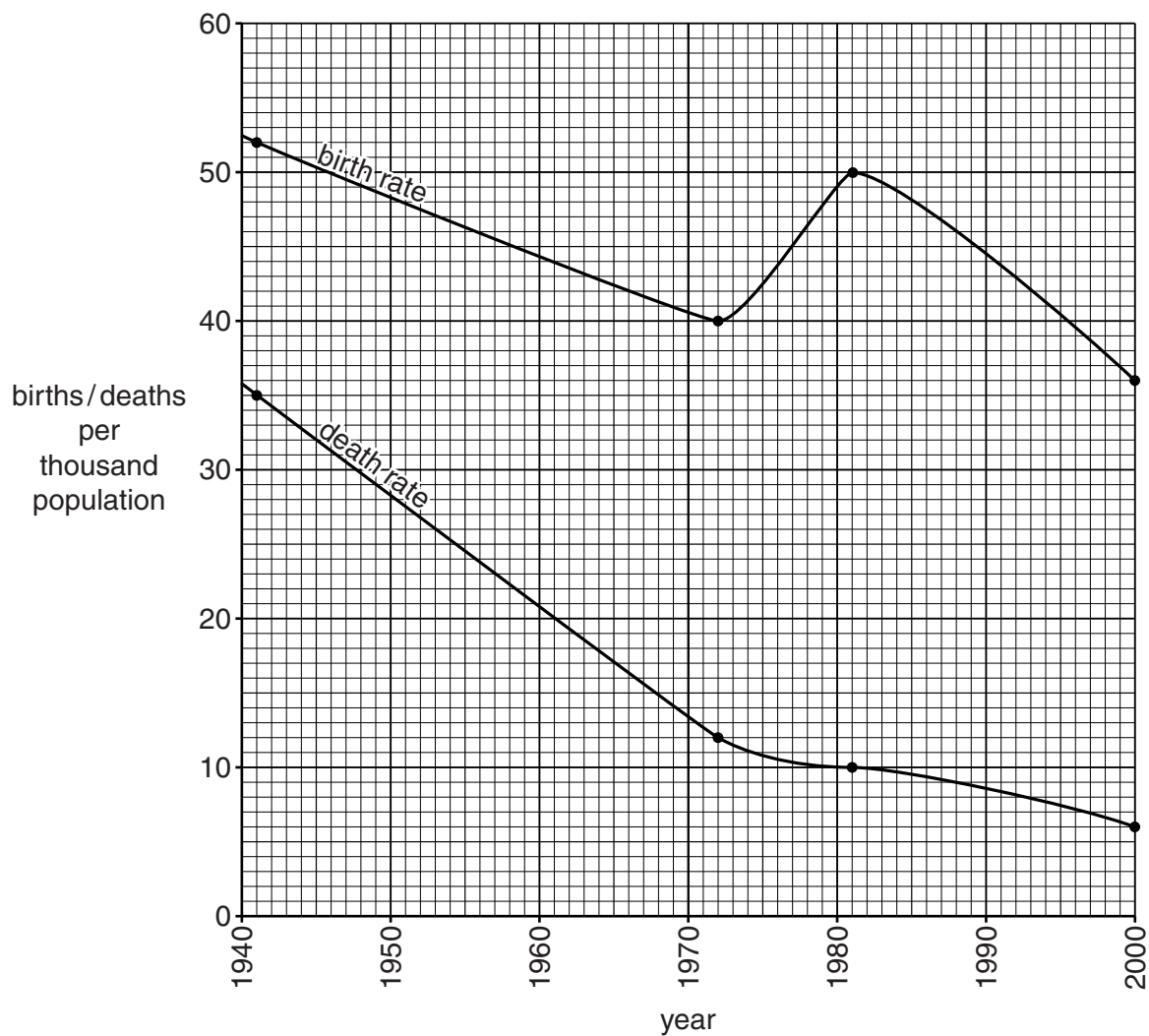
**(iii)** Explain why both the birth and death rates have fallen in Pakistan.

For  
Examiner's  
Use

.....[6

(b) Study Fig. 9 which shows birth and death rates of a country.

For  
Examiner's  
Use



**Fig. 9**

(i) Describe the main changes in birth rate from 1941 to 2000.

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.....[4]

(ii) Complete the following:

NATURAL INCREASE = ..... minus ..... [2]

(iii) Study Fig. 9 again. Circle the year (below) in which the natural population increase was greatest.

1941      1972      1981      2000

[1]

- (c) (i) Explain the difference between emigration and immigration.

For  
Examiner's  
Use

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.....[2]

- (ii) Explain the advantages and disadvantages of international emigration for the people of Pakistan.

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.....[6]

[Total: 25]

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Question 1 Photograph A       Julia Grover © UCLES

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