

**UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS**  
International General Certificate of Secondary Education

**0448 PAKISTAN STUDIES**

**0448/42**

**Paper 42**

Due to a security breach we required all candidates in Pakistan who sat the paper for 0448/02 to attend a re-sit examination in June 2013. Candidates outside of Pakistan sat only the original paper and were not involved in a re-sit.



**UNIVERSITY of CAMBRIDGE**  
International Examinations



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
General Certificate of Education Ordinary Level

CANDIDATE  
NAME

CENTRE  
NUMBER

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CANDIDATE  
NUMBER

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**PAKISTAN STUDIES**

**2059/02**

Paper 2 The Environment of Pakistan

**October/November 2013**

**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, highlighters, glue or correction fluid.

**DO NOT WRITE IN ANY BARCODES.**

Answer any **three** questions.

The Insert contains Fig. 9 for Question 5.

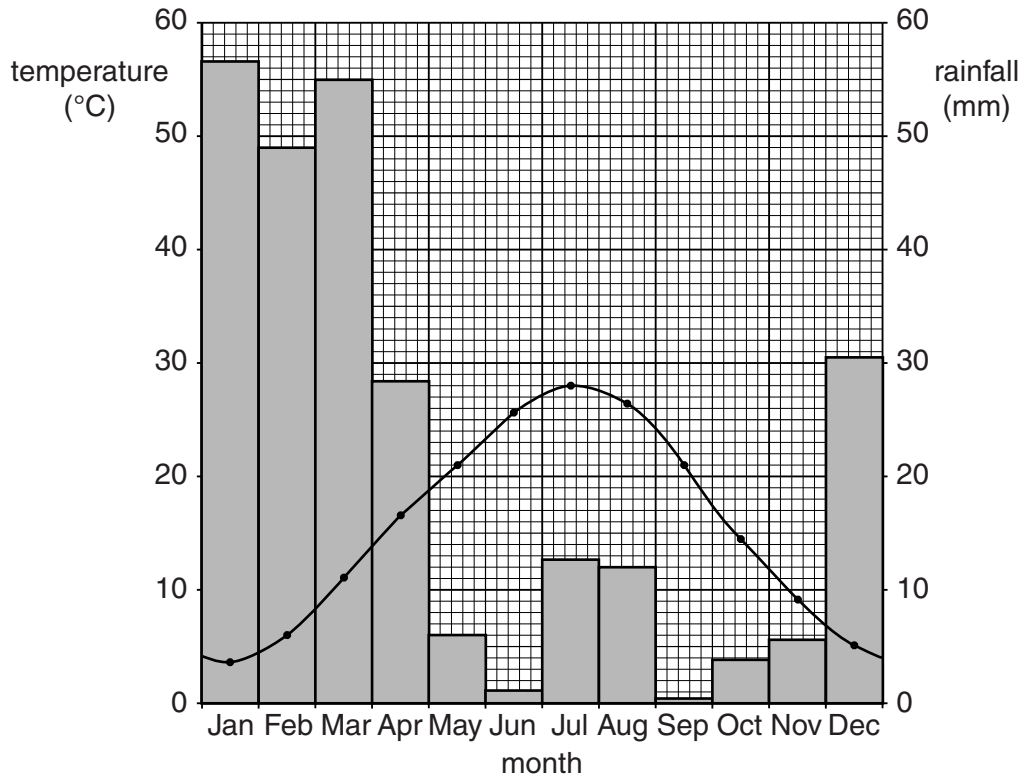
The Insert is **not** required by the Examiner.

The number of marks is given in brackets [ ] at the end of each question or part question.

This document consists of **18** printed pages, **2** blank pages and **1** insert.



1 (a) Study Fig. 1, which shows the climate of Quetta.



**Fig. 1**

(i) Describe the annual distribution of rainfall at Quetta.

.....

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.....

.....

.....

.....

.....

.....

.....

.....

.....

[3]

(ii) State **two** causes of rainfall at Quetta and name the months when each occurs.

Cause 1 .....

.....

Months .....

Cause 2 .....

.....

Months .....

[4]

(iii) What are the maximum and minimum temperatures at Quetta, and when do they occur?

Maximum..... Month.....

Minimum..... Month.....

[2]

(iv) Give **two** reasons why temperatures are higher in the summer than in the winter at Quetta.

1 .....

.....

2 .....

.....

[2]

(b) Explain how underdevelopment and disease can be made worse by water shortages.

Underdevelopment .....

.....

.....

.....

.....

.....

Disease .....

.....

.....

.....

.....

.....

[6]

(c) (i) Name **two** types of infrastructure other than water supply.

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

(ii) For **each** of the types of infrastructure named in (c)(i), consider the advantages and problems of improving it in Balochistan.

1 .....

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.....

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.....

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2 .....

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[6]

[Total: 25]

2 Study Fig. 2, which shows a map of the coast of Pakistan.

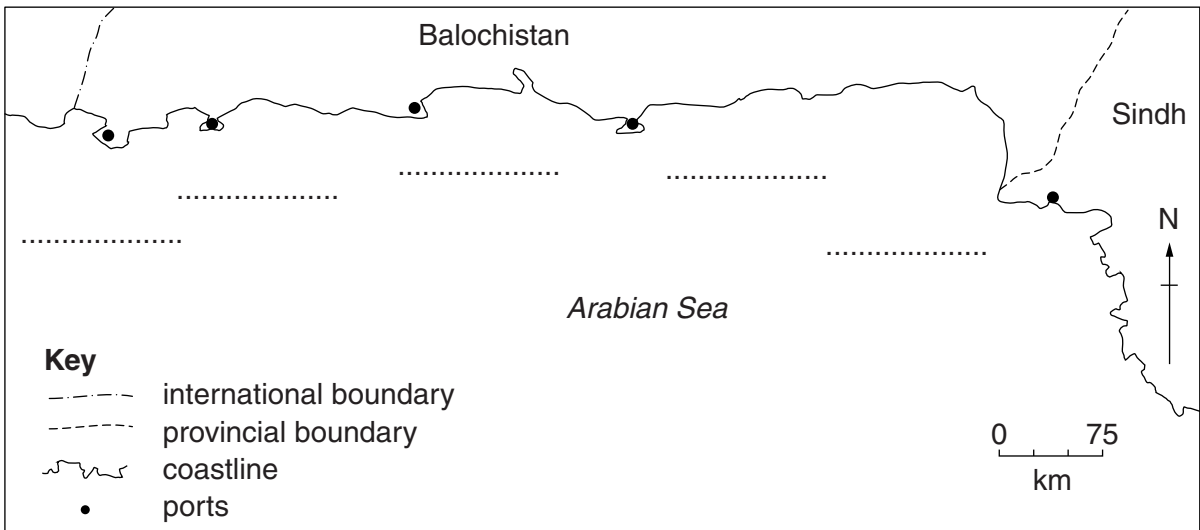


Fig. 2

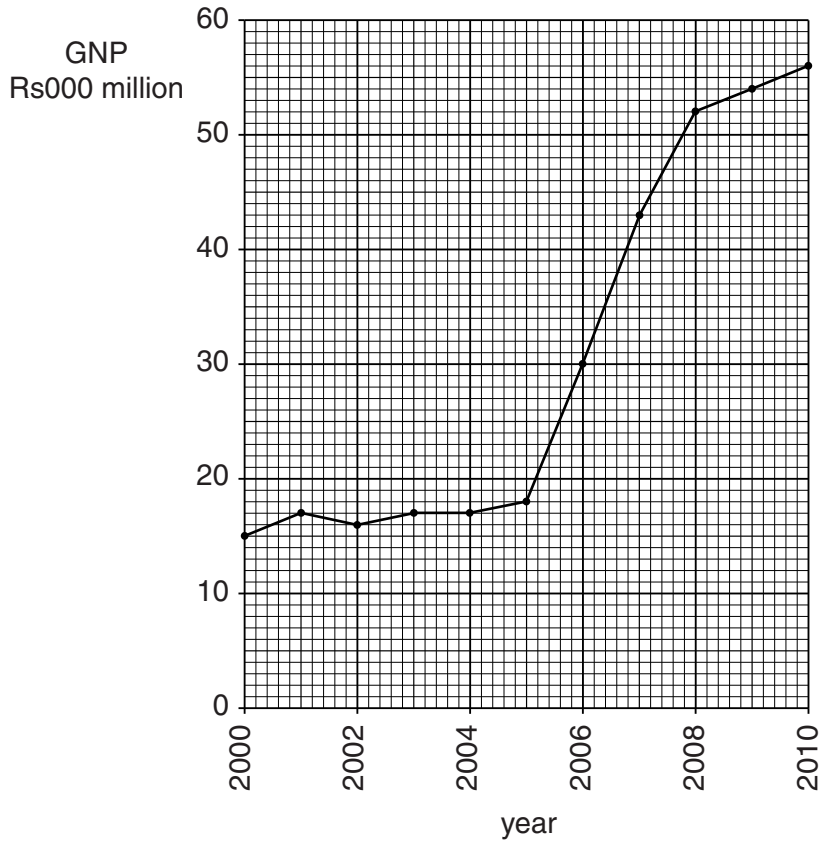
(a) (i) Name **on the map, two** of the ports shown. [2]

(ii) Name **two** types of fish caught in the sea near Pakistan.

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

(b) Study Fig. 3, which shows the contribution to Gross National Product (GNP) of the fishing industry in Pakistan.

For  
Examiner's  
Use



**Fig. 3**

(i) What was the contribution to GNP of the fishing industry in 2010?

..... [1]

(ii) By how much has this figure increased since 2006?

..... [1]

(iii) What is meant by 'over-fishing'? Why does it occur?

Over-fishing .....

.....

Why it occurs .....

.....

.....

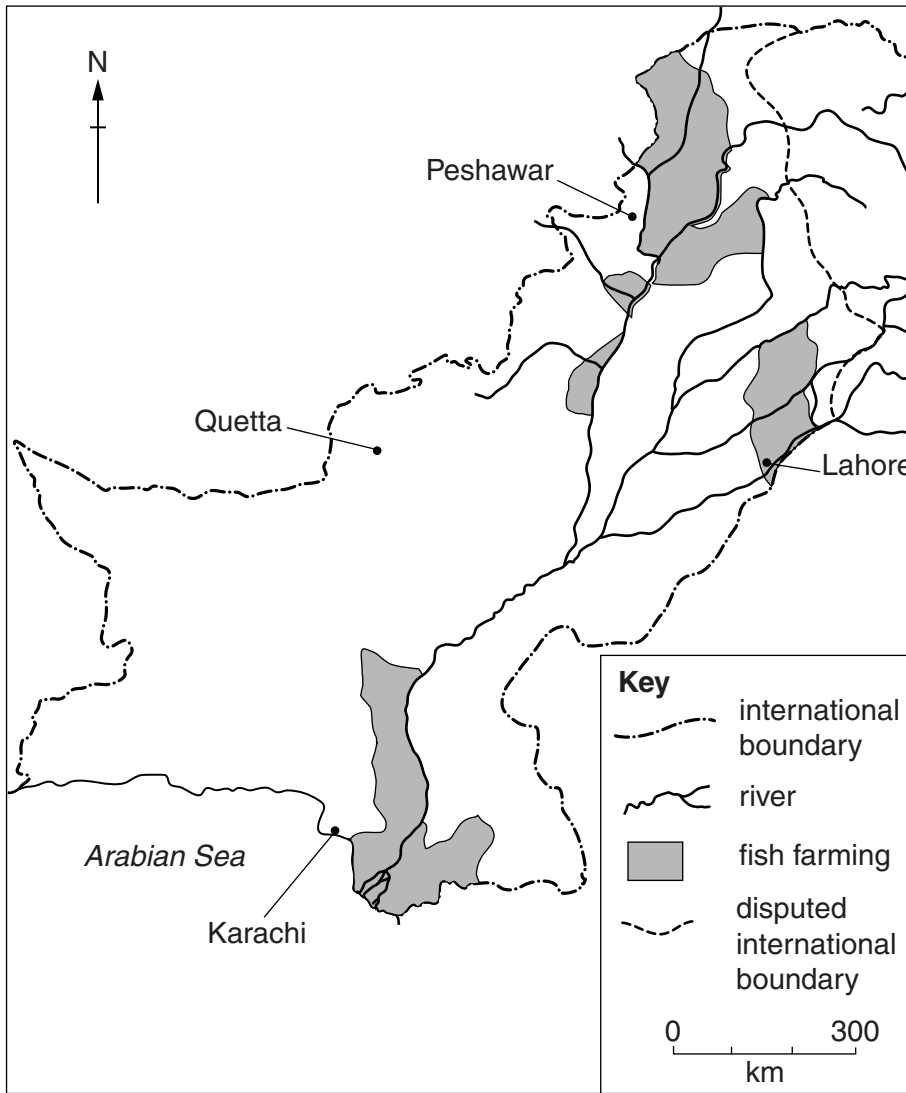
.....

.....

..... [3]

(c) Study Fig. 4, which shows the main districts for fish farming in Pakistan.

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**Fig. 4**

(i) Describe the distribution of fish farming in Pakistan.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [3]



(ii) Describe how fish are reared on a fish farm.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....

[4]

(d) Give an example of primary, secondary and tertiary employment in the fishing industry.

Primary .....

Secondary .....

Tertiary .....

[3]

(e) What are the benefits and problems of developing **either** marine fishing **or** inland fish farming in Pakistan?

Choice .....

Benefits .....

.....  
.....  
.....  
.....  
.....

Problems .....

.....  
.....  
.....  
.....  
.....

[6]

[Total: 25]

3 (a) Study Fig. 5, which shows the climate of Multan.

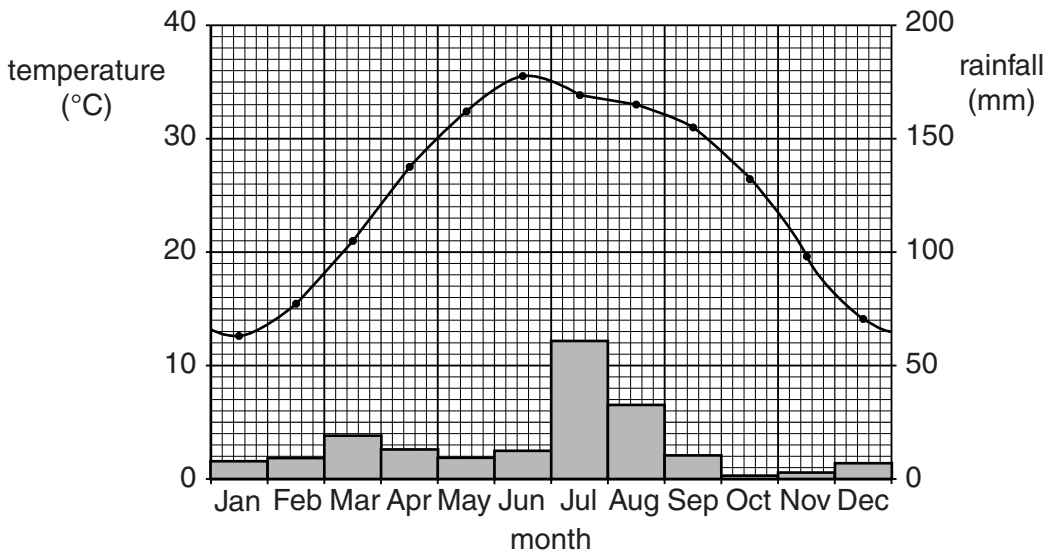


Fig. 5

(i) In which months is the temperature above 25°C?  
 ..... [1]

(ii) What is the maximum rainfall and when does it occur?  
 maximum rainfall ..... month ..... [1]

(iii) Cotton is the major cash crop grown in Pakistan. Label on Fig. 5:  
 – the month of sowing  
 – the months of growth  
 – the month of harvest [3]

(iv) Explain why the months you have marked for **growth** have the best climatic conditions for cotton.  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 ..... [4]

(b) Study Fig. 6, which shows the amount of cotton produced and the area used for this in Pakistan.

For  
Examiner's  
Use

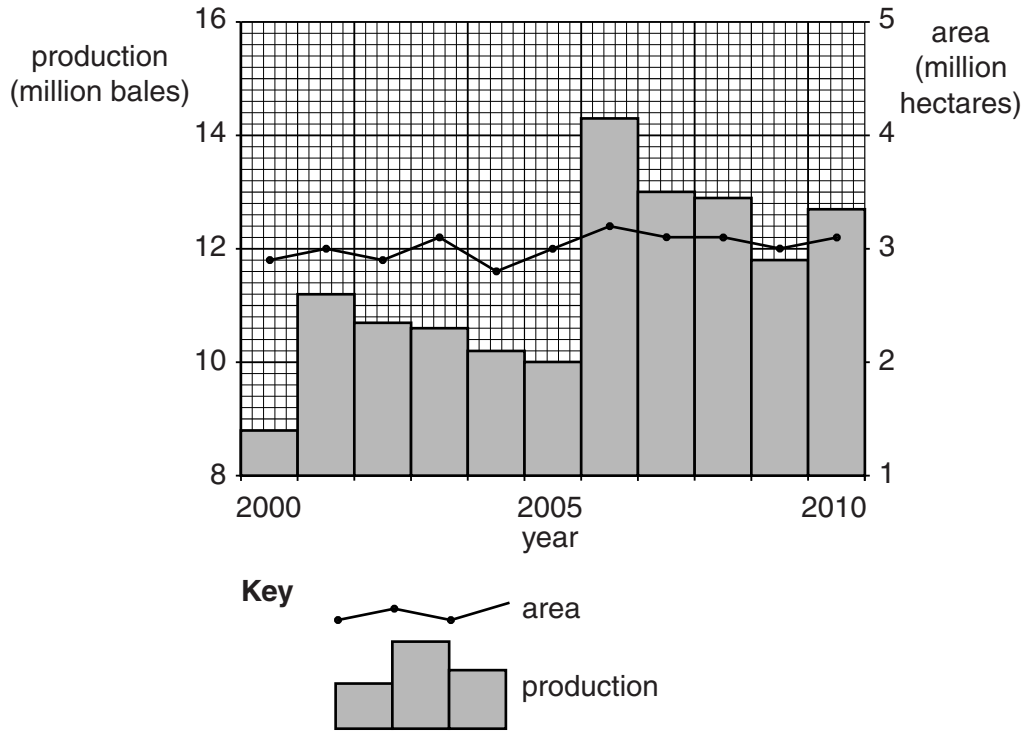


Fig. 6

(i) What was the highest annual production, and in which year did it occur?

production ..... year .....[1]

(ii) Compare the change in cotton production with the change in area of land used between 2000 and 2010.

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





4 (a) (i) State what is meant by 'renewable energy' and give an example.

meaning .....  
.....  
example ..... [2]

(ii) Name a fossil fuel, and explain why it is non-renewable.

name .....  
why it is non-renewable .....  
.....  
.....  
.....  
..... [2]

(iii) Explain how fossil fuels cause:

air pollution .....  
.....  
.....  
land pollution .....  
.....  
..... [2]

(b) Study Fig. 7, which shows gas and oil usage in Pakistan.

For  
Examiner's  
Use

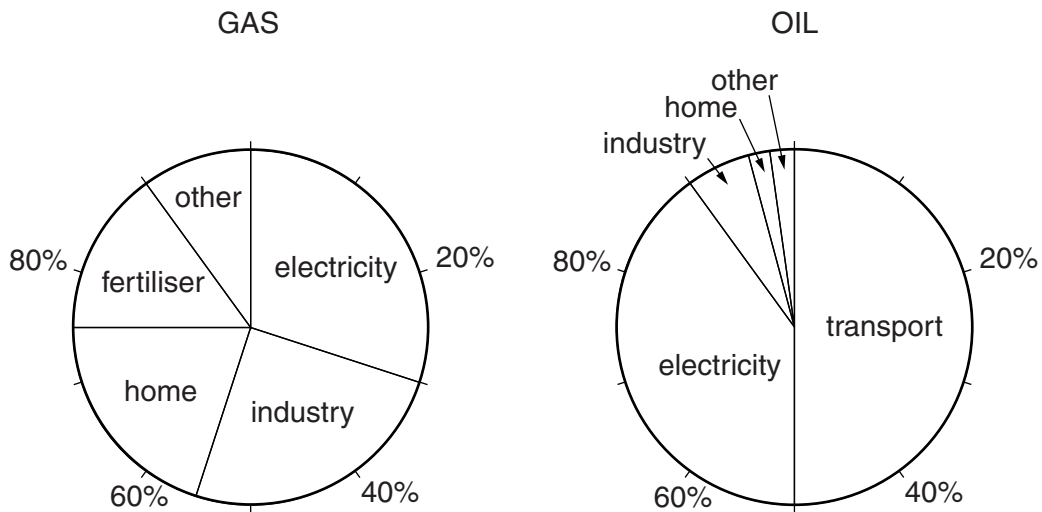


Fig. 7

(i) State the percentages of gas and oil used for electricity production.

gas .....

oil .....

[2]

(ii) Which user takes 15% of gas?

.....

[1]

(iii) Which user takes 50% of oil?

.....

[1]

(iv) Explain why a larger percentage of gas **than oil** is used in the home.

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

(c) Study Fig. 8, which shows the usage of coal mined in Pakistan.

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Examiner's  
Use

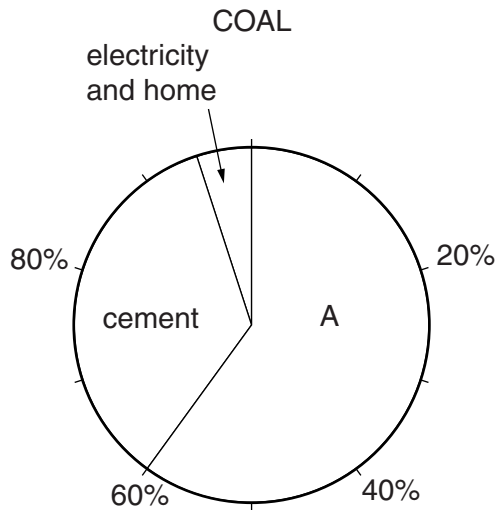


Fig. 8

(i) Name the industry **A** which uses a large amount of coal produced in Pakistan.

..... [1]

(ii) Why is only a small percentage of coal used for electricity generation?

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

(d) Name **one** type of renewable energy. Explain where the most suitable areas in Pakistan would be for its development.

name .....

explanation .....

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [4]





5 (a) Study Fig. 9 (insert), which shows the main towns and cities in the Punjab province.

(i) Name the cities A, B, C, and state the size of their population.

A name ..... population .....

B name ..... population .....

C name ..... population .....

[6]

(ii) Describe the distribution of towns and cities with a population of over 50 000.

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

(b) Study Fig. 9 again.

(i) Name an area with a population density below 50 persons per square kilometre.

..... [1]

(ii) With reference to **physical factors only**, explain why the area that you have named in (b)(i) has a low population density.

.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
.....  
..... [4]

(c) In the last 50 years there has been a big increase in the proportion of people living in urban areas.

(i) Name two **push** factors that cause people to migrate from rural to urban areas.

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

(ii) Explain **each** of the factors you have named in (c)(i).

1 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 ..... [4]

(iii) Explain **two** problems experienced by migrants from rural areas when they reach urban areas.

problem 1 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
 .....  
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 .....  
 ..... [6]

[Total: 25]



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