



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS  
General Certificate of Education Ordinary Level

CANDIDATE  
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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 Photograph A for Question 1, Photograph B for Question 2, Photograph C for Questions 3 and 4, Photographs D and E for Question 4 and Fig. 7 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 insert.



1 (a) Study Photograph A (Insert).

Name the irrigation system shown in the photograph and explain briefly how it works.

Name.....

How it works .....

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..... [4]

(b) Study Fig. 1, a map showing the main sugar-cane growing areas.

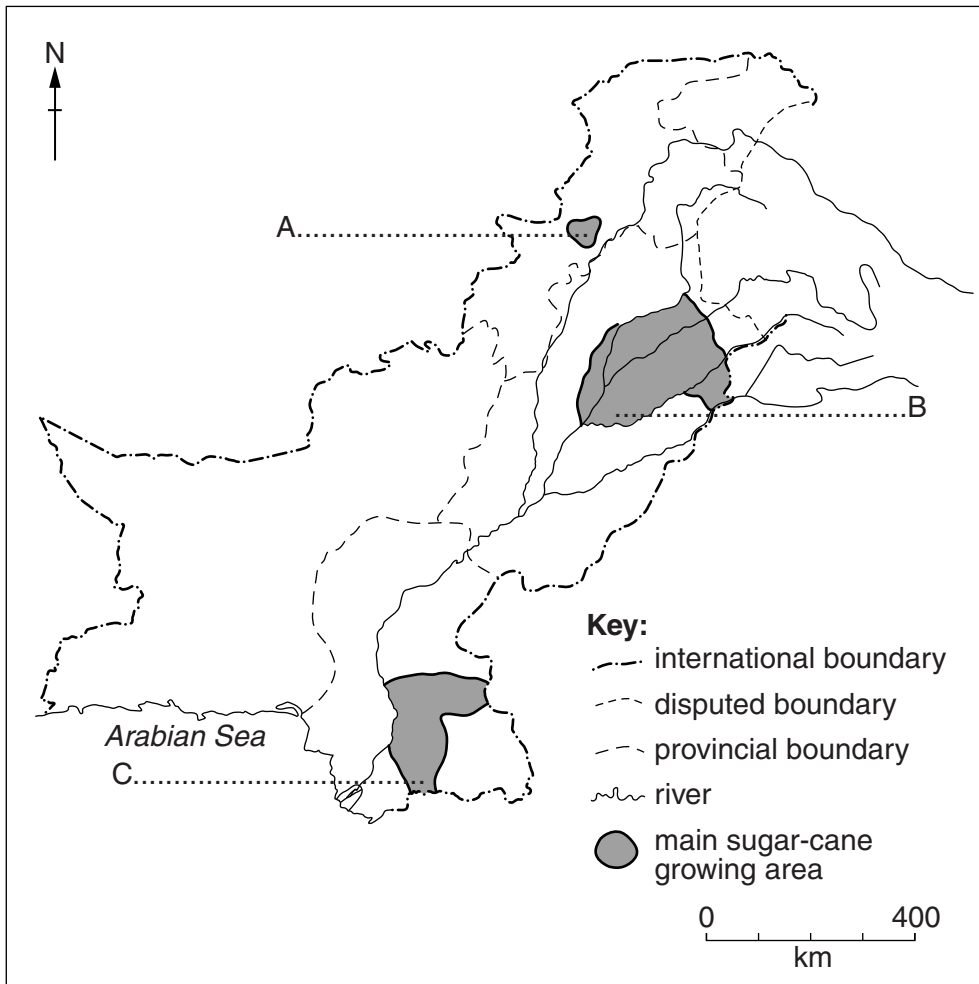


Fig. 1

Name on the map **one** city, town or district in **each** of the areas A, B and C.

[3]

(c) (i) What is meant by the following terms?

Subsistence crop.....

.....

Cash crop.....

..... [2]

(ii) Describe the climate and soil conditions needed for growing sugar-cane.

Climate .....

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Soil .....

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..... [4]

(d) (i) Give **two** reasons why sugar-cane factories should be built as close as possible to the fields where sugar-cane is grown.

1 .....

.....

2 .....

..... [2]

(ii) Name **two** by-products from sugar-cane processing and give a use of each of them.

1 ..... Use .....

2 ..... Use .....

[4]

(e) Name a cash crop, other than sugar-cane, grown in Pakistan. Explain the advantages and disadvantages of increasing its cultivation.

For  
Examiner's  
Use

Name.....

Advantages.....

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Disadvantages.....

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[6]

[Total: 25]

- 2 (a) Study Photograph B (Insert) showing a brickworks, and Fig. 2, a diagram showing the main inputs to a brick-making industry.

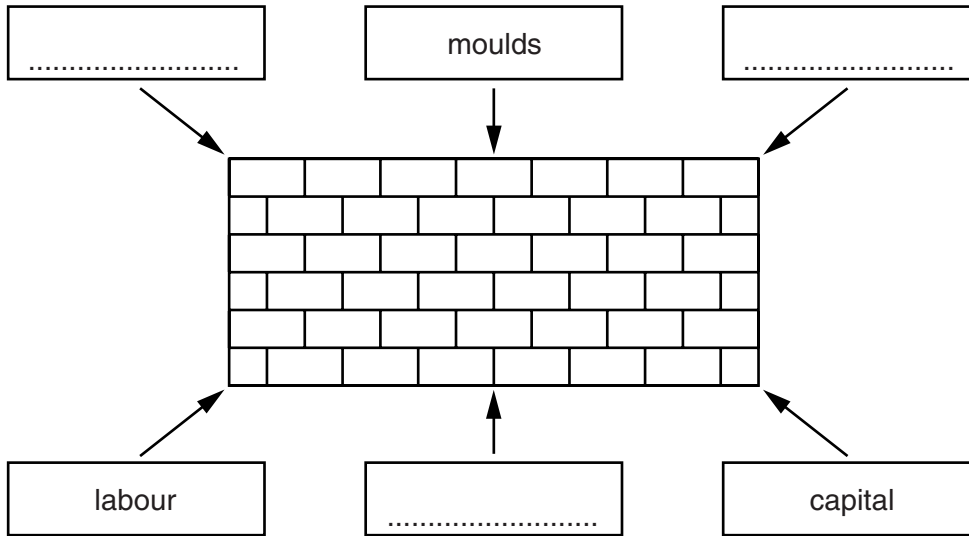


Fig. 2

- (i) Write the names of **three** other physical inputs in the three empty boxes on Fig. 2 above. [3]

- (ii) Explain how bricks are made.

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..... [3]

- (iii) Name **two** types of air pollution that might be produced by a brickworks.

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

- (b) Study Photograph B again. Describe the effects of the pollution created by this brickworks on people and the environment in the local area.

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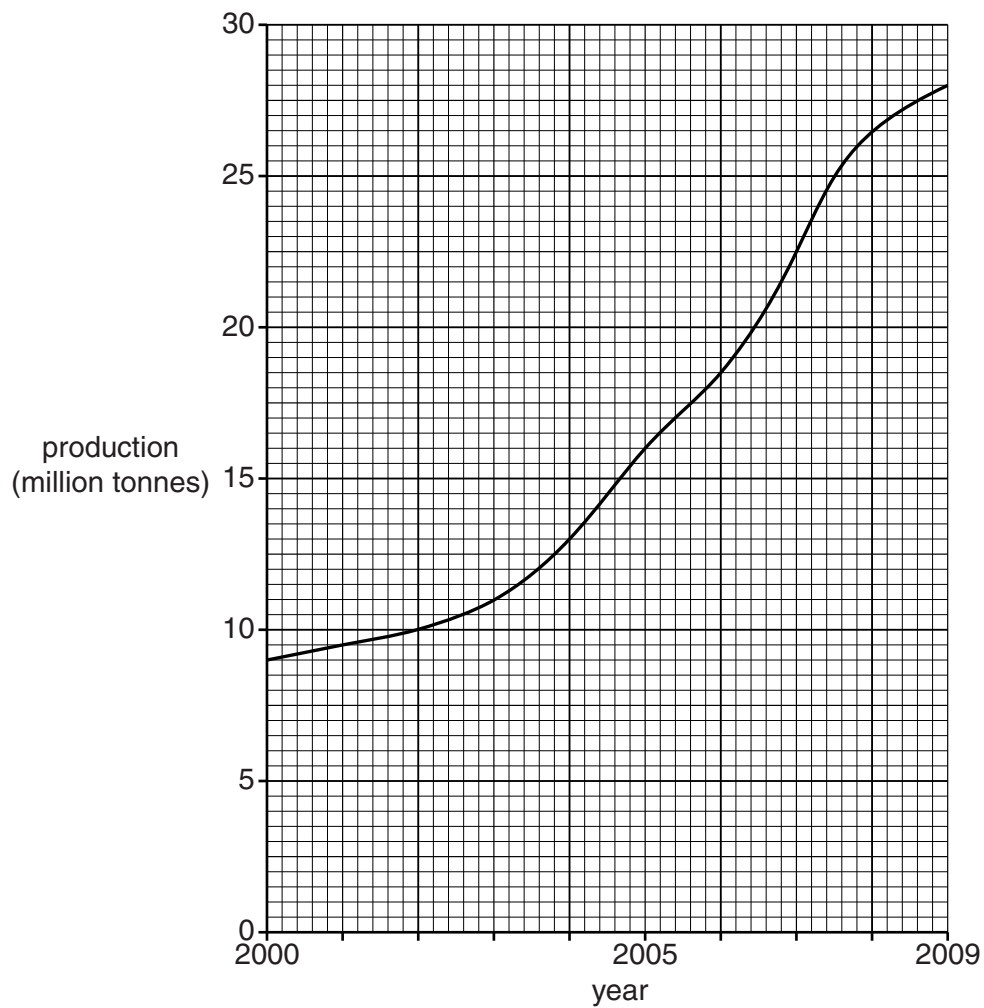
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..... [4]

- (c) Study Fig. 3, a graph showing cement production in Pakistan.



**Fig. 3**

(i) What was the production of cement in 2009?  
..... [1]

(ii) By how much did production increase from 2000 to 2009?  
..... [1]

(iii) Name the **two** main raw materials used to make cement.  
1 ..... 2 .....  
[2]

(iv) Give **three** reasons for the continuous increase in cement manufacture from 2000 to 2009  
1 .....  
2 .....  
3 ..... [3]

(d) Explain the advantages and disadvantages of expanding the sports goods industry in Pakistan.

Advantages.....  
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Disadvantages.....  
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..... [6]

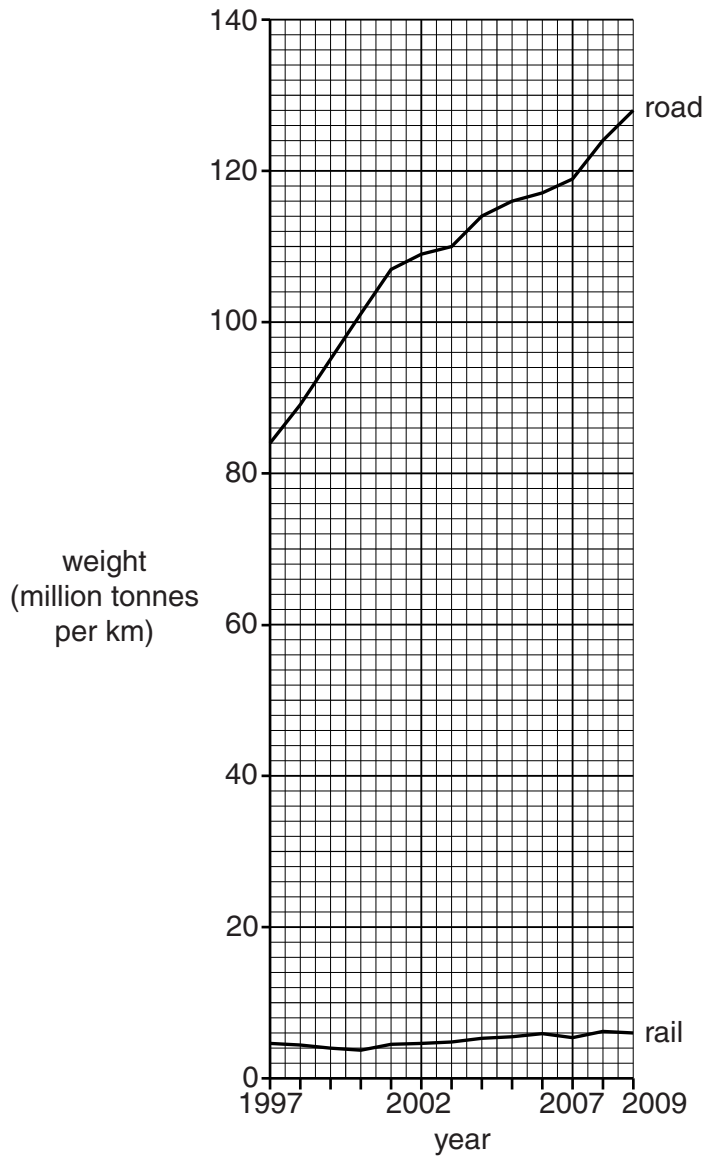
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- 3 (a) Study Fig. 4, a graph showing the weight of goods carried by road and rail transport in Pakistan.

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**Fig. 4**

- (i) What is the weight of goods carried by road in 2009?  
 ..... [1]
- (ii) How much more was carried by road than rail in 2009?  
 ..... [1]
- (iii) By how much has the weight of goods carried by road increased from 2002 to 2009?  
 ..... [1]



(i) Give the latitude of the lines X – X and Y – Y.

X ..... Y ..... [2]

(ii) Explain the effect of latitude on

Temperature .....  
.....  
.....

Day length .....  
.....  
..... [4]

(d) (i) Study Photograph C.

Name **three** attractions to tourists shown in the photograph.

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

(ii) Explain how local people can gain income from tourism in mountain areas.

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..... [3]



4 (a) Study Photographs D and E (Insert).

(i) Name the type of renewable energy being generated.

D ..... E ..... [2]

(ii) Give **three** advantages of renewable energy.

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

(iii) Give **three** disadvantages of generating energy by **either D or E**.

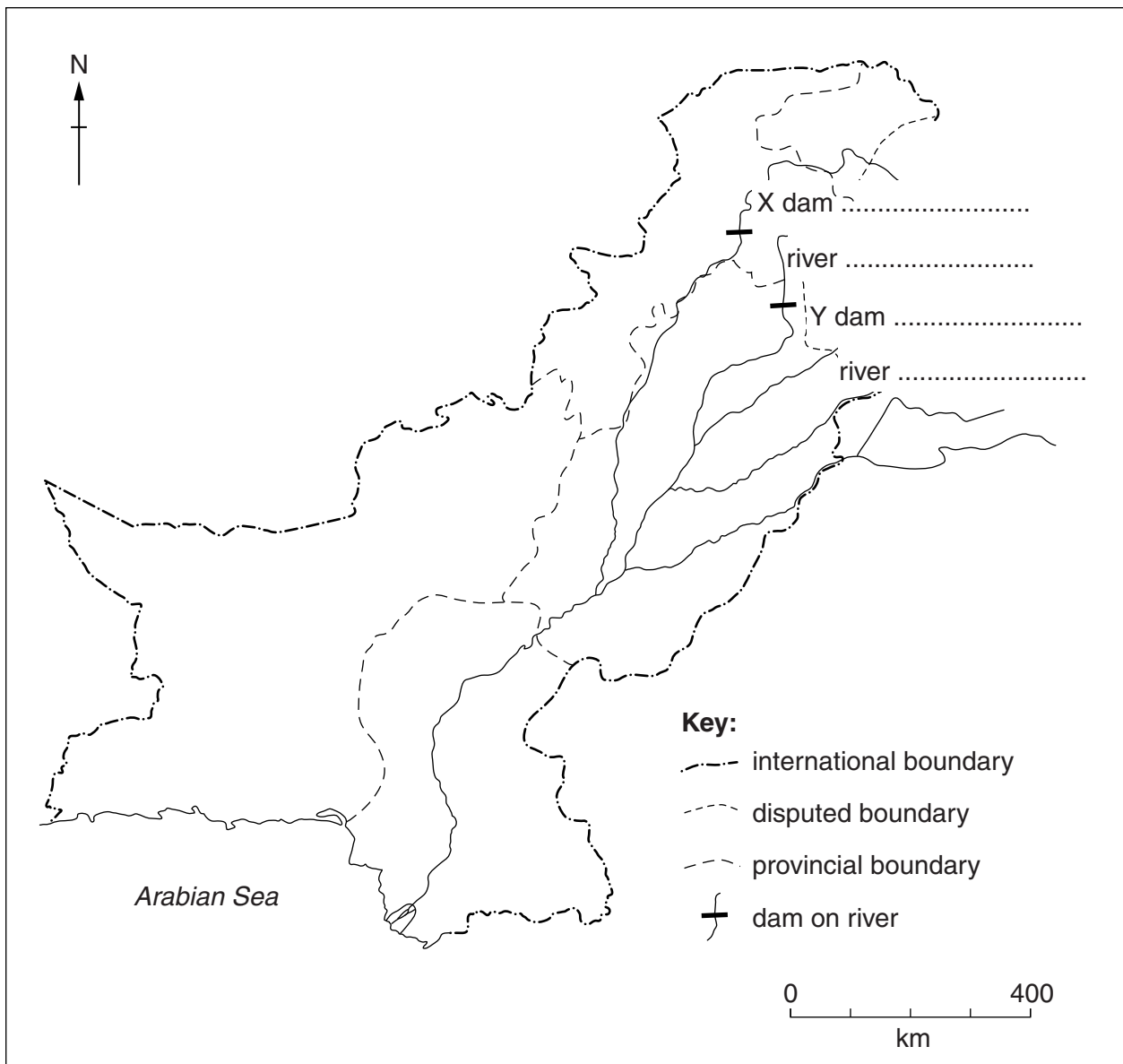
Choice.....

Disadvantages

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

(b) Study Fig. 6, a map of Pakistan.

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Examiner's  
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**Fig. 6**

On the map name the **two** dams shown, and the rivers on which they are situated. [4]

- (c) (i) With reference to water supply and relief (topography) explain why it might be possible to build more HEP (hydel) power stations in areas such as that shown in Photograph C (Insert).

Water supply .....

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.....

Relief (topography) .....

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..... [4]

- (ii) Give **three** reasons why it is difficult to develop more HEP (hydel) power stations in Pakistan.

1 .....

2 .....

3 ..... [3]

- (d) To what extent is it possible to increase the electricity supply to rural areas?

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(b) Study Fig. 8, pie charts showing literacy rates in Pakistan.

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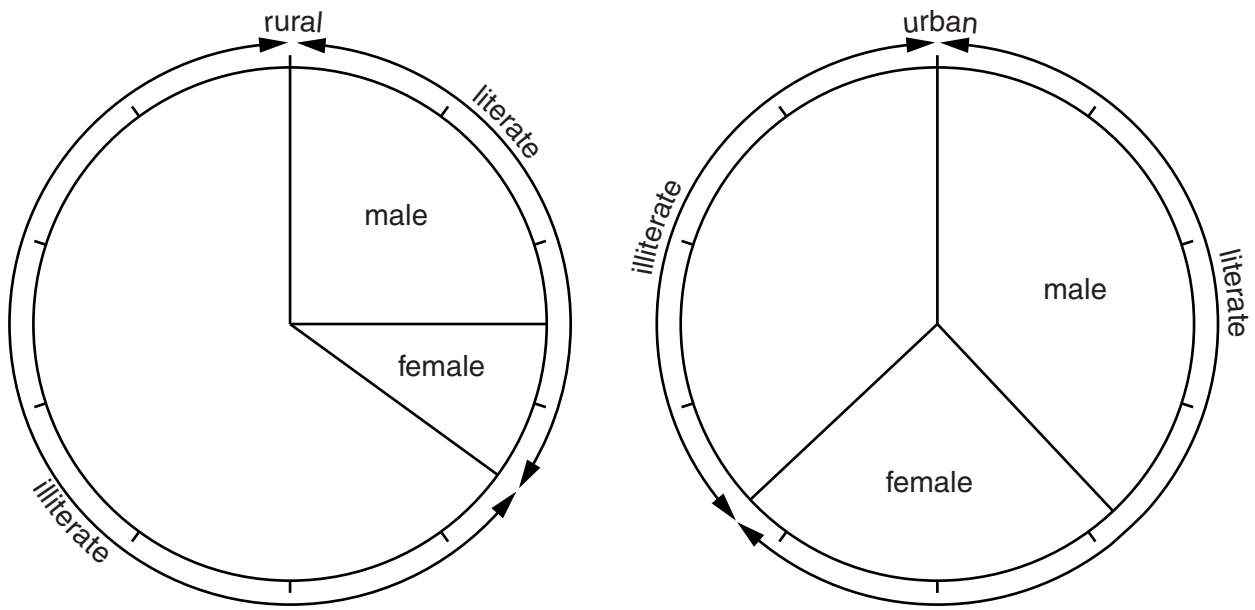


Fig. 8

(i) What is the percentage of literate males in **urban** areas?

..... [1]

(ii) How much larger is this than the percentage of literate males in **rural** areas?

..... [1]

(c) (i) Give an example of tertiary employment for which literacy is **not** important.

..... [1]

(ii) Explain why literacy is important to increase economic development in Pakistan.

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