

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

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).

For
Examiner's
Use

Name the irrigation system shown in the photograph and explain briefly how it works.
Name
How it works
[4]

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

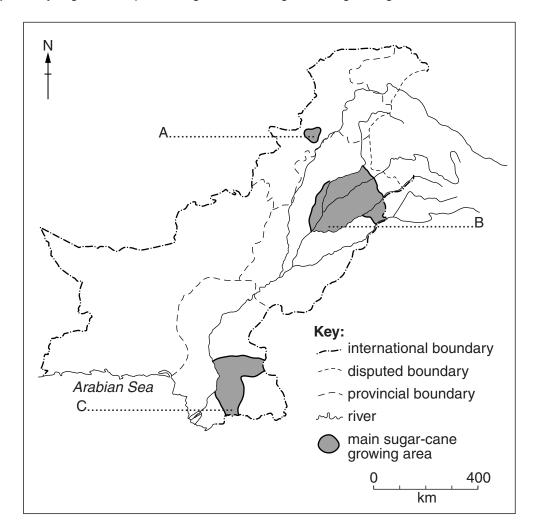


Fig. 1

Name on the map ${\bf one}$ city, town or district in ${\bf each}$ of the areas A, B and C.

[3]

(c)	(i)	What is meant by the following terms?	For
		Subsistence crop	Examiner Use
		Cash crop	
		[2]	
	(ii)	Describe the climate and soil conditions needed for growing sugar-cane.	
		Climate	
		Soil	
		[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	
		1/11	1

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	
Disadvantages	
[6]	
[Total: 25]	

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(e)

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

For Examiner's Use

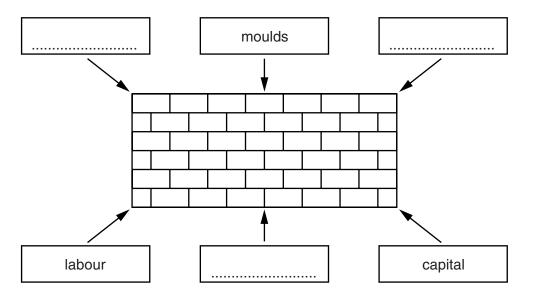


Fig. 2

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

(ii)	Explain how bricks are made.
	[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 brickworks on people and the environment in the local area.	oy this
		[41

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

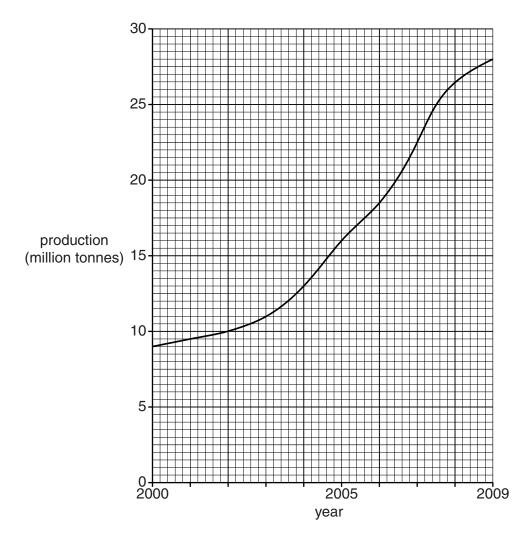


Fig. 3

	(i)	What was the production of cement in 2009?	For Examiner's
	(ii)	By how much did production increase from 2000 to 2009?	Use
		[1]	
	(iii)	Name the two main raw materials used to make cement.	
		1	
	(iv)	Give three reasons for the continuous increase in cement manufacture from 2000 to 2009	
		1	
		2	
		3[3]	
(d)		plain the advantages and disadvantages of expanding the sports goods industry in sistan.	
	Adv	vantages	
	Disa	advantages	
		[6]	
		[Total: 25]	

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

For Examiner's Use

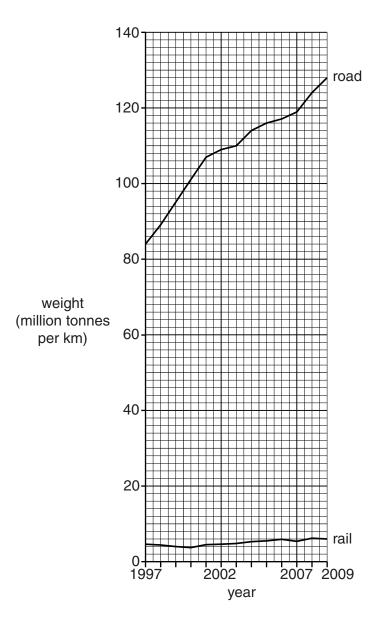


Fig. 4

(1)	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 2009?	to
		[1]

(b)	Why has the use of road transport increased more than rail transport since 2000?
	[4]

(c) Study Fig. 5, a map of Pakistan.

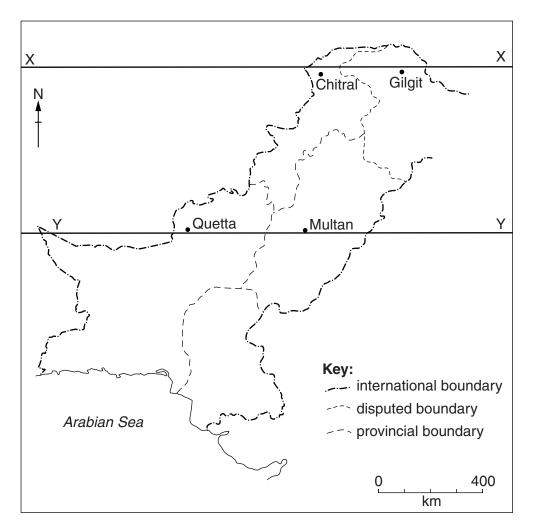


Fig. 5

(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.	
		[3]

(e)	To what extent is it possible to increase tourism in Pakistan in the 21st century?				
	[6]				

[Total: 25]

4	(a)	Stud	dy Photographs D and E (Insert).	For
		(i)	Name the type of renewable energy being generated.	Examiner's Use
			D E	
		(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	
			0	

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



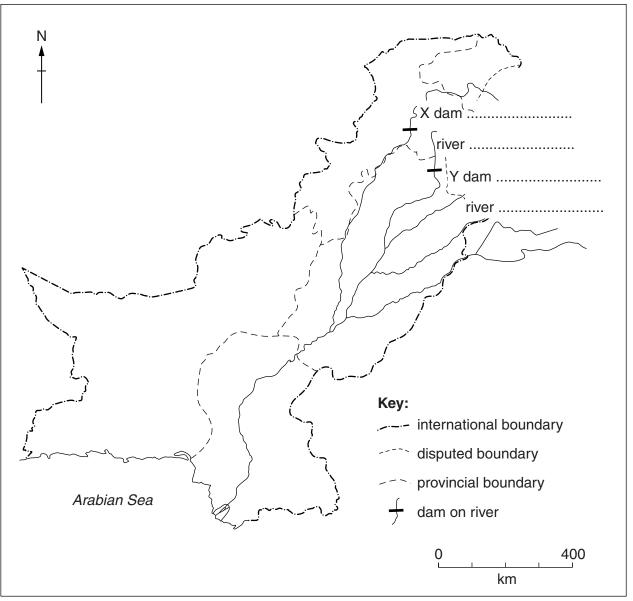


Fig. 6
On the map name the **two** dams shown, and the rivers on which they are situated. [4]

	Photograph C (Insert).
	Water supply
	Relief (topography)
	[4]
(ii)	Give three reasons why it is difficult to develop more HEP (hydel) power stations in Pakistan.
	1
	2
	3[3]
	S[0]
To v	what extent is it possible to increase the electricity supply to rural areas?
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[Total: 25]

(a) S	Study Fig. 7 (Insert) a map of literacy in Pakistan.		
(i	Name a city in each of the three areas shown on the map where literace 60%.	cy is over	
		[3]	
(ii	Name an area where literacy is below 20%. Explain why the literacy rate this area.	e is low in	
	Area		
	Reason		
		[6]	

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

For Examiner's Use

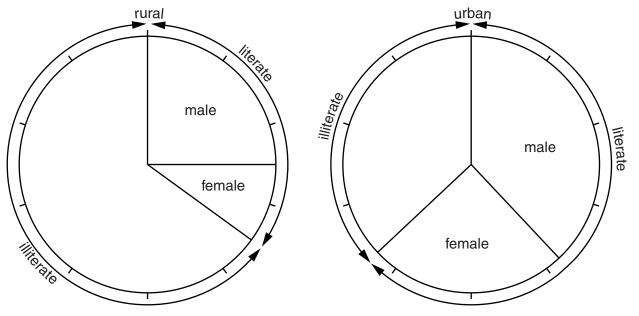


Fig. 8

(1)	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.	For Examiner's Use
	(ii)	Explain why literacy is important to increase economic development in Pakistan.	

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(d)	Stu	dy Fig. 8 again.		
	(i)	What is the percentage of literate females in rural areas?		
		[1]		
	(ii)	To what extent can population growth be influenced by increasing female literacy?		
		[6]		
		[Total: 25]		

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