

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

CANDIDATE NAME				
CENTRE NUMBER		CANDIDATE NUMBER		

PAKISTAN STUDIES 0448/02

Paper 2 The Environment of Pakistan

May/June 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 on all the work you hand in.

Write in dark blue or black pen.

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

DO NOT WRITE ON ANY BARCODES.

Answer any **three** questions.

The Insert contains Photographs A, B and C 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.



1 (a) Study Photographs A, B and C (Insert).

For
Examiner's
Use

(i) Name the forest types A, B and C and locate each type of forest by writing the correct letter in each area shown on the map below (Fig. 1).

A......B......

[4]

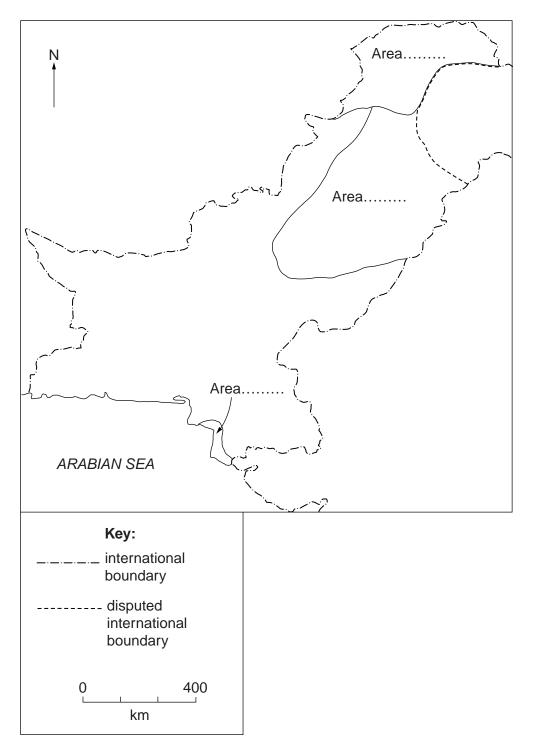


Fig. 1

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(ii)	Describe the appearance of the forest shown in Photograph C.	For
` ,		Examiner'
		Use
	[3]	
(iii)	Explain the importance of the forest in Photograph B to fishermen and fishing villages.	
	[3]	
(iv)	Why does the forest in Photograph A appear to be in an area of afforestation?	
	[3]	

(1)	State <b>two</b> em			
	1			
	2			
				[2]
(ii)	Explain how	one of these could be co	ontrolled.	
				[4]
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[Total: 25]

2 (	(a)	Study	Fig 2	2 and	name	the	follo	wind	٦.
_ '	a,	Otuay	1 19. 4	_ and	Hallic	uic	IOIIO	, , , , , , ,	4.

the line of latitude A;

For Examiner's Use

(ii) the mountain pass B;

.....

(iii) the road C;

.....

(iv) the province D.

.....[4

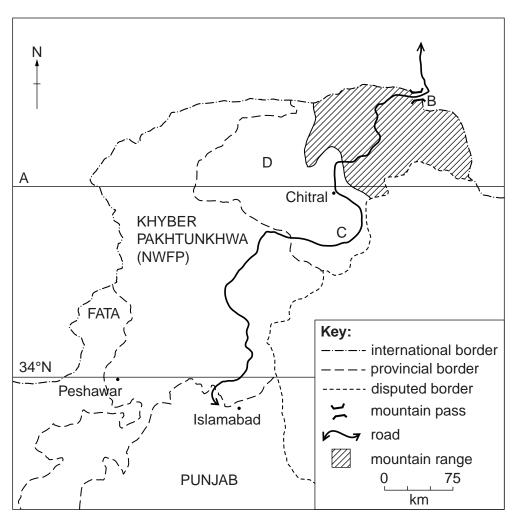


Fig. 2

(b) Study Fig. 3, which shows the climate of Gilgit.



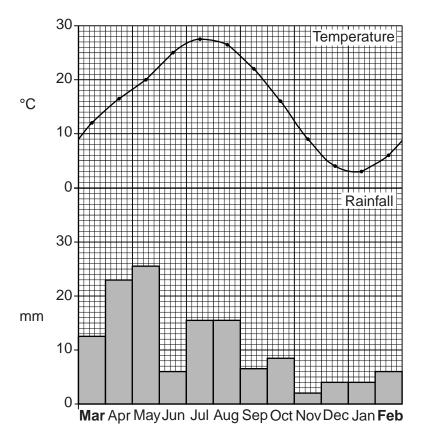


Fig. 3

(i)	What is the maximum temperature, and in which month does it occur?
	[2]
(ii)	In which season of the year is the rainfall highest?
	[1]
(iii)	Compare the climate of the months from May to September with the months from November to February.
	[4]

(c)	In warea	vhat ways does the winter climate make life difficult for people who live in mountainous as?	For Examiner's Use
	••••		
	••••	[6]	
(d)	(i)	What is the meaning of the following livestock farming terms:	
		A Transhumance?	
		B Nomadic farming?	
		[2]	

What are the advantages and disadvantages of these types of livestock farming in <b>either</b> mountain <b>or</b> desert areas?
Advantages
Disadvantages
[6]
[U]

For Examiner's Use

[Total: 25]

(ii)

3 (a) Study Fig. 4, which shows the climate of Sialkot.



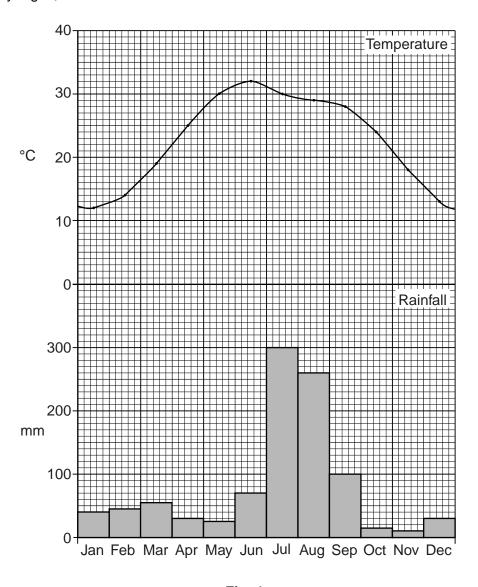


Fig. 4

- (i) Circle and label on the x-axis:
  - A the month when rice would be planted,
  - B the months when it would be growing,
  - C the month when it would be harvested.

[3]

For Examiner's Use

) Stud	ly Fig. 5, w	hich	shows	whe	at prod	ductio	<b>n</b> .						
	oduction ion tonnes	24 - ) 22 -											
		20 -											
		10											
		16-	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
			~	.,	(1	Fig.		C4	(1	(4		C	
(i)	What was	the	oroduc	tion i	n 2008	3?							
(ii)	Compare t	this t	o the p	orodu	ction c	of whe	at in tl	ne yea	ars fro	m 199	99 to 2	2007.	

(iii)	Suggest reasons for the changes in production over these years.	For
		Examiner
		Use
	[4]	
<b>(c)</b> To	what extent is it possible to increase agricultural production by the use of modern	
me	ethods?	
••••		
••••		
••••		
••••		

(d) Study Fig. 6.

For Examiner's Use

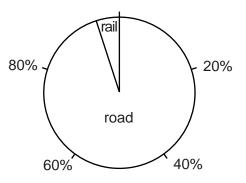


Fig. 6

	9. 0
(i)	What is the percentage of goods carried by rail?
	[1]
(ii)	Compare the advantages of transporting goods by road and rail.
	[4]
	[Total: 25]

## 4 (a) Study Fig. 7.

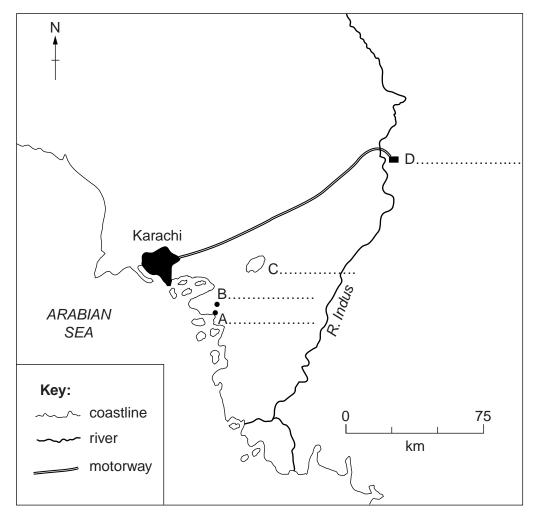


Fig. 7

Name on the map:

- A the port where iron ore and coal are imported
- B the site of the Pakistan Steelworks
- C the lake that supplies water to the Pakistan Steelworks
- D the destination of the motorway from Karachi

(b) Explain why the Pakistan Steelworks is called 'a large scale industry'.

For Examiner's Use

[4]

(c) Study Fig. 8, which shows imports of steel.



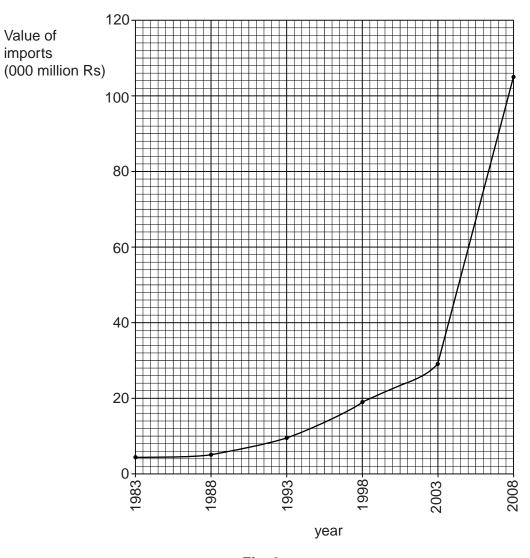


Fig. 8

(1)	what was the value of imports in 2008?
	[1]
(ii)	By how much has this increased since 1998?
	[1]
(iii)	Suggest <b>one</b> reason for this increase and explain your answer.

.....[3]

(d)	WATER	ELECTRICITY	GAS PIPES	TELEPHONE	ROADS	For Examiner's
		ypes of infrastructure to an industrial esta		and for each explain	its importance	Use Use
	1					
	2					
					[0]	
			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	[0]	

Question 4 continues over the page.

For Examiner's Use

(e)	What are the benefits and problems of developing new industrial estates?
	Benefits
	Problems
	[6]
	[Total: 25]

**5 (a)** Study Fig. 9, which shows population density in Sindh.

For Examiner's Use

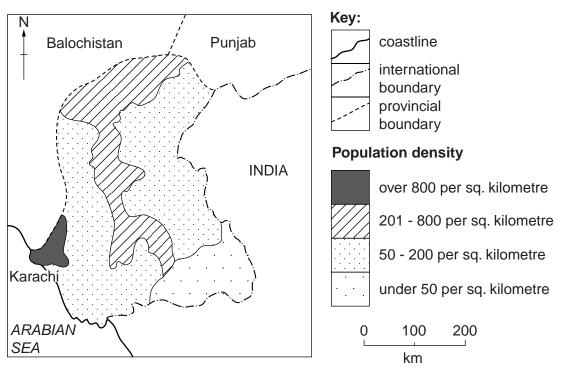


Fig. 9

Describe the distribution of the areas with a population density of 201 to 800 people

	per square kilometre.
	[3]
(ii)	What is the lowest population density shown on the map?
	[1]
(iii)	Name the area which has the lowest population density.
	[1]

(	(iv)	Explain the reasons for a high population density in the Karachi area.	For
			Examiner's
			Use
		[6]	
/L-X			
(a)	⊨xp	lain the difference between density and distribution of population.	
	•••••		
		[2]	

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**(c)** Study Fig. 10, which shows the increase in population in Karachi. 20 population in millions 15 10 1980 1985 1990 1995 2000 2005 2010 2015 2020 year Key: actual population estimated population Fig. 10 (i) What was the population in 2010? (ii) By how much is this expected to increase from 2010 to 2020? (iii) What problems can be caused in an urban area by a high population density?

For Examiner's Use (d) Read the article below, published in 2009.

For Examiner's Use

In 1996 the Orangi Welfare Project was established in a slum area of Karachi. Government authorities and utility companies are working together with local people to establish a model town or 'misali ilaga'.

The work is shared between the authorities and the local people.

Residents will benefit from sanitary facilities, water systems, a power supply and better roads. Materials for building are supplied for housing, health centres and schools, including a grammar school.

There is also a scheme to provide cheap loans for small businesses.

To what extent can self-help schemes, such as that in Orangi, succeed in improving the living conditions in this and other slum areas?
[6] [Total: 25]
[10(a), 25]

## Copyright Acknowledgements:

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Question 1 Photograph B © geology.com; May 2010.
Question 1 Photograph C © www.sindhforests.gov.pk; May 2010.

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