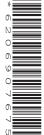


## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS General Certificate of Education Ordinary Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		



PAKISTAN STUDIES 2059/02

Paper 2 The Environment of Pakistan

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
1100

(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]

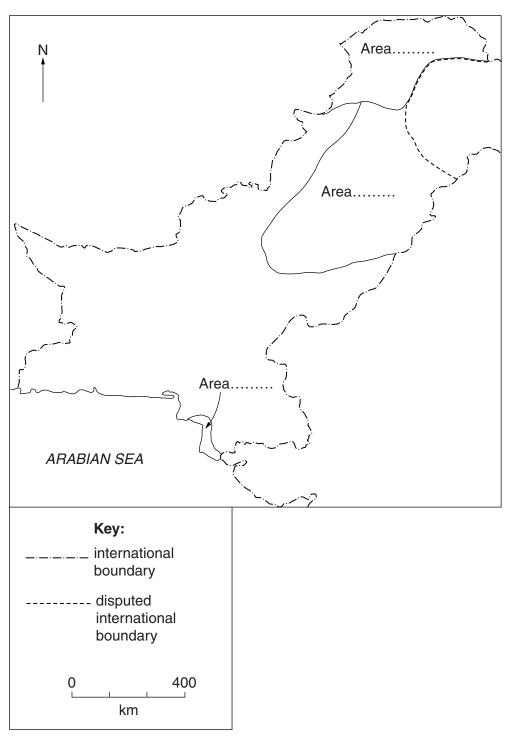


Fig. 1

)	Describe the appearance of the forest shown in Photograph C.	1
		Exa
	[3]	
	Explain the importance of the forest in Photograph B to fishermen and fishing villages.	
	ro.	
	[3]	
	Why does the forest in Photograph A appear to be in an area of afforestation?	
	[3]	

(b)	(i)	State <b>two</b> effects of deforestation in mountain areas.	F
		1	Exam
		2	
			[2]
	(::\		[2]
	(ii)	Explain how <b>one</b> of these could be controlled.	
			[4]
(c)	CRA	AETS TOURISM CLIMATE S	
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(c)	With		SOILS for the
(c)	With peo	AFTS TOURISM CLIMATE Some reference to <b>two</b> of the above, explain how trees can be a valuable resource ple who live in mountain areas.	SOILS for the
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[Total: 25]

2 (	(a)	Study	Fig 2	and	name	the	follo	wing	ľ
_ '	(u)	Otuay	1 1y. Z	anu	Harric	uic	IOIIC	WILLIA	١.

)	the line of latitude A;	

.....

(ii) the mountain pass B;

(iii) the road C;

.....

(iv) the province D.

.....[4]

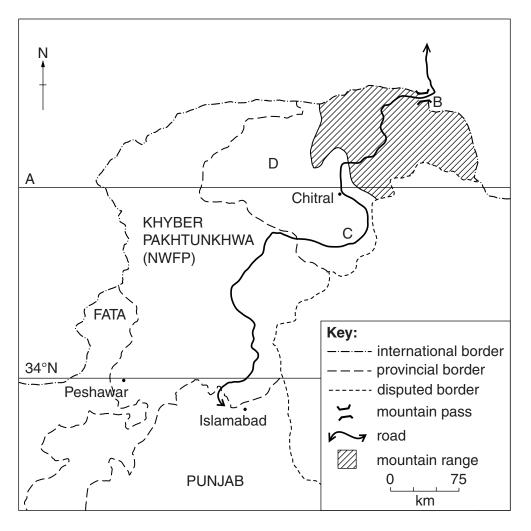


Fig. 2

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



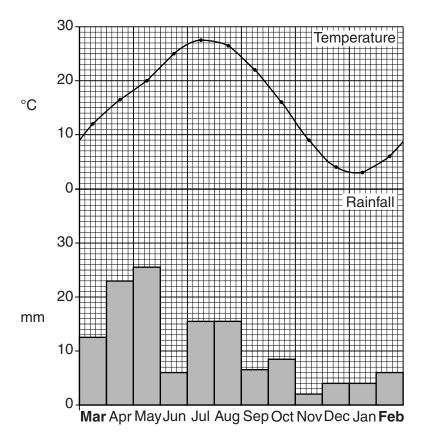


Fig. 3

(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 w area	what 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 either mountain or desert areas?
Advantages
Disadvantages
[6]
[6]

[Total: 25]

(ii)

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



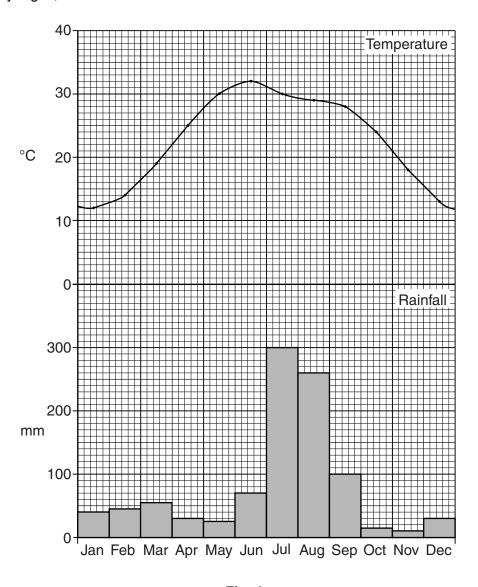


Fig. 4

- (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]

(ii)	Explain ho	ow canal ir	rigatio	n is us	ed an	d con	trolled	to gro	ow rice	е.		
		•••••										
				•••••				•••••	•••••			
Stud	dy Fig. 5, w	hich show	s whe	at proc	duction	٦.						
	roduction lion tonnes	24										
		22										
		20										
		18										
		16 66 6	2000	2001	2002	2003	2004	2002	2006	2007	2008	
		19	20	20	20	20	20	20	20	20	20	
					Fig.	5						
(i)	What was	the produ	ction i	n 2008	?							
(ii)	Compare	this to the	produ	ction o	f whe	at in th	ne vea	ırs 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

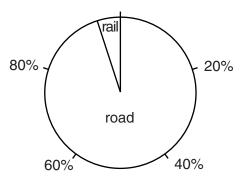


Fig. 6

	<b>S</b>
(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.

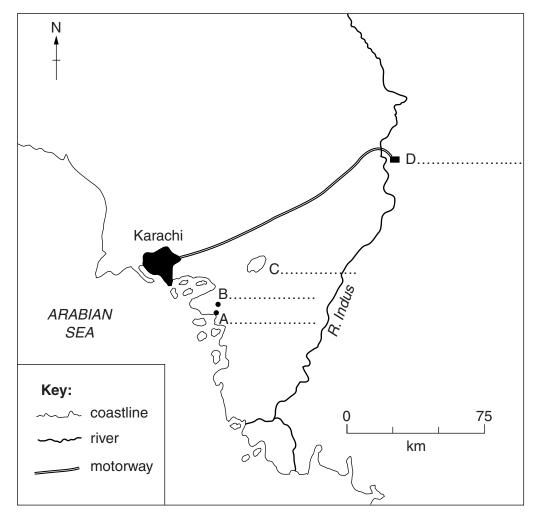


Fig. 7

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'.

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For Examiner's Use

[4]

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

Value of



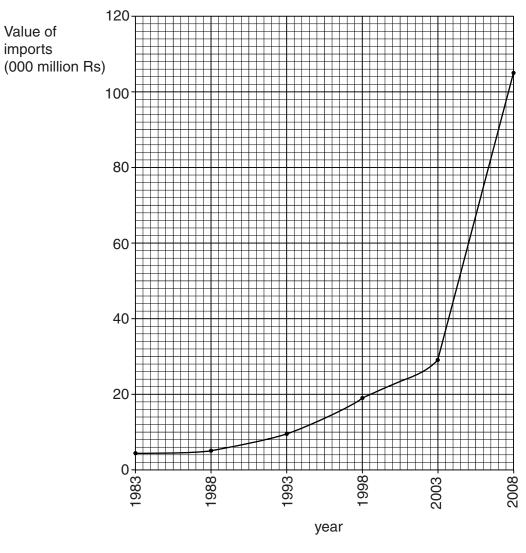


Fig. 8

(1)	what was the value of imports in 2006?
	[1]
(ii)	By how much has this increased since 1998?
	[1]
(iii)	Suggest <b>one</b> reason for this increase and explain your answer.

WAIER	ELECTRICITY	GAS PIPES	TELEPHONE	ROADS	For Examiner's
	types of infrastructure es on an industrial esta		and for each explain	its importance	Use
1					
2					
				[6]	

Question 4 continues over the page.

(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

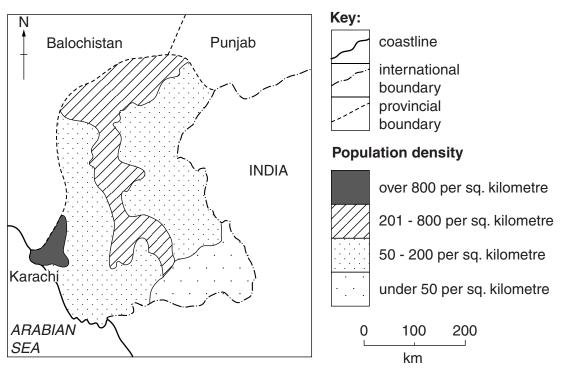


Fig. 9

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]	
(b)	Exp	lain the difference between density and distribution of population.	
		[2]	
			1

**(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 ilaqa'.

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]

## 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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Question 3 Figure 5 © www.statpak.gov.pk.
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