

## **Cambridge International Examinations**

Cambridge Ordinary Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

15009248

PAKISTAN STUDIES 2059/02

Paper 2 The Environment of Pakistan

October/November 2016
1 hour 30 minutes

Candidates answer on the Question Paper.

No Additional Materials are required.

### **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, glue or correction fluid.

DO NOT WRITE IN ANY BARCODES.

Answer any three questions.

The Insert contains Photographs A and B for Question 1 and Photograph C for Question 2.

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 Fig. 1 which shows the distribution of monthly rainfall in Karachi.

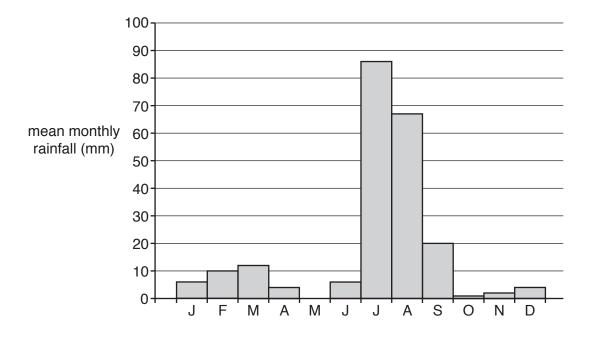
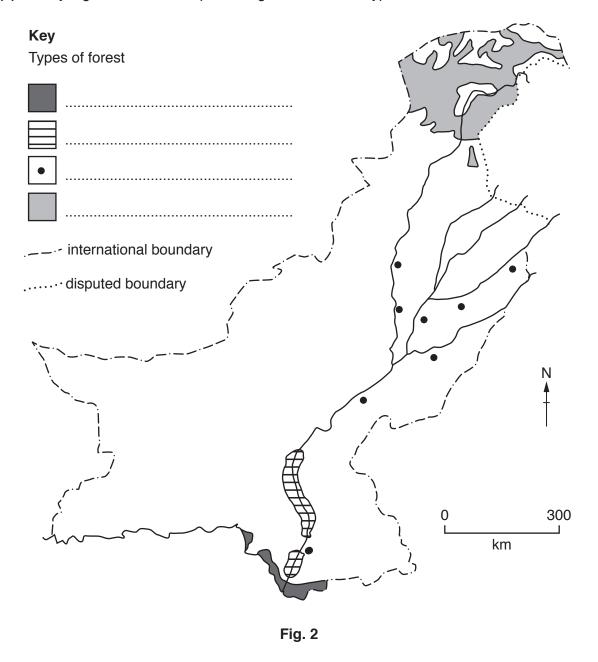


Fig. 1

(i)	Α	For how many months does Karachi experience less than 10 mm rainfall?	
	В	Estimate the total rainfall in Karachi for the period July to September.	
			[2]
(ii)	Des	scribe briefly the climatic region in which Karachi is located.	
			[1]
(iii)		eat is the main source of rainfall in Karachi? From which direction do the rain-bear ads come?	ing
	Sou	urce	
	Dir	action	[0]

	(iv)	Describe the effects of tropical cyclones on cities such as Karachi.
		[4]
(b)		dy Photographs A and B (Insert) which show parts of the lower Indus valley. Using the tographs and your own knowledge, explain the advantages for agriculture in areas like
		[4]

(c) Study Fig. 2 which is a map showing different forest types in Pakistan.



(i) In the key, name the types of forest shown on the map. [2]

- (ii) For one of the forest types you have named in (i):
  - Describe the features of the forest.
  - Explain the uses or purpose of the trees that grow there.

Forest type name	
Description	
Explanation	
•	
	[/]

(d) Read the following two views about the possibilities for tourism in Sindh province:

Hotels and tourist resorts need to be developed along the Sindh coast to bring foreign exchange and boost

the economy.

Α

В

The coastal area of Sindh cannot support large numbers of tourists. There could be negative effects from tourism.

[TOTAL: 25]

Which view do you agree with more? Give reasons to support your answer and refer to places or examples you have studied.
[6

**2 (a)** Study Fig. 3 which is a map showing the locations where three different non-metallic minerals are extracted in Pakistan.

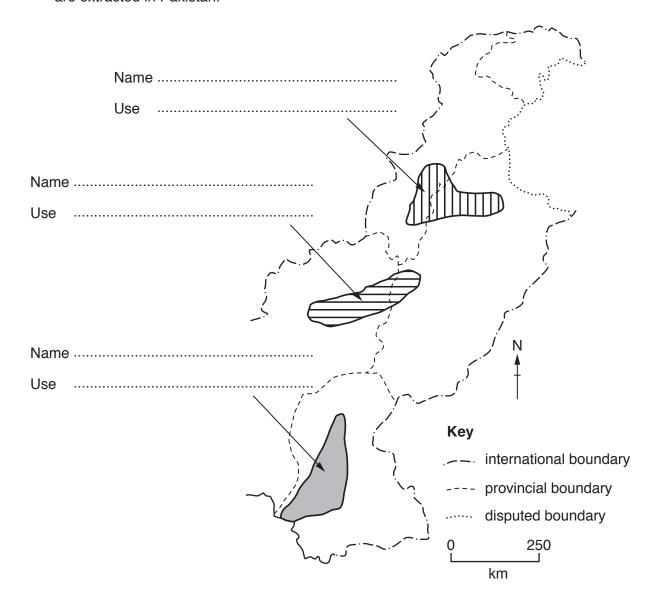


Fig. 3

(i) For any **two** locations, state the name of the mineral extracted and a use for this mineral. Write your answers in the spaces provided on Fig. 3. [4]

You should choose from the following list:

gypsum limestone rocksalt

	(ii)	Using Fig. 3 and your own knowledge, suggest difficulties there may be in a minerals to export markets.	getting
(b)	Stud	dy Photograph C (Insert).	
	(i)	Name the type of livestock shown in this photograph.	
	(ii)	Why is this type of livestock valuable to the farmer?	
	(iii)	What environmental problems can be caused by keeping this type of livestock?	
			[2]

(c)	(i)	Name <b>two</b> of Pakistan's main exports.
		1
		2[2
	(ii)	Read the following article:
		Pakistan produces many goods that could be exported in greater quantities. For a variety of reasons the amount of exports remains low: in 2013 the value of exports was only 13% of GDP.
		Explain why it is difficult for Pakistan to sell more of its goods to other countries.
		1

(d)	Chemical	fertilisers	to	help	increase	agricultural	production	are	one	of	Pakistan's	main
	imports. T	hese impo	rts	are e	xpensive.	Read the fol	lowing two v	/iews	3:			

A B

Pakistan should manufacture more of its own chemical fertilisers to reduce the need for importing them. Pakistan should rely less on chemical fertilisers and reduce the need for importing them by using natural alternatives.

[TOTAL: 25]

Which view do you agree with more? Give reasons to support your answer and explain vis important to reduce imports of chemical fertilisers.	
	[6]

3 (a) Study Fig. 4 which is a diagram of a coal mine.

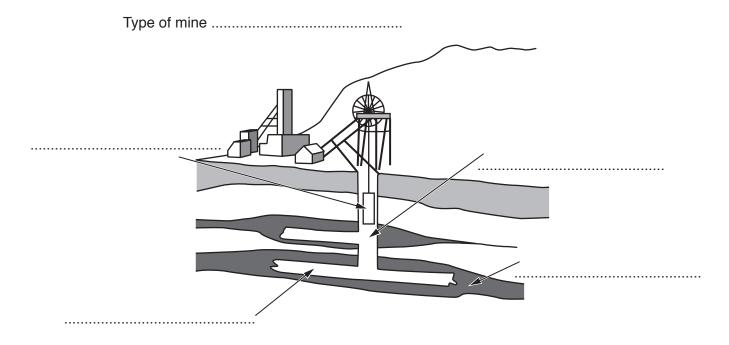


Fig. 4

(i) Choose **two** terms from the list below and use them to label the diagram in any **two** of the spaces provided.

	adit	cage	shaft	open-cast	seam	tunnel	[2]
(ii)	Suggest <b>two</b>	reasons for	using this ty	pe of mine and <b>c</b>	<b>ne</b> disadvar	ntage of using it	t.
	Reason						
	Reason						
	Disadvantage						
							[3]
(iii)	What type of	coal is impo	rted by Paki	stan and how is i	t used?		
	Type						
	Use						
							[2]

			12					
(b) Explain	what the fu	uel CNG is a	and state the	main reasor	ns for using t	his fuel.		
(a) Study Fi	ia Ewhich	io o graph (	nivina inform	ation about a				
(c) Study Fi	ig. 5 wnich ty production	ાs a grapn ( on in Pakista	giving inform an over the p	ation about o eriod 2006–	aiπerent non 11.	-renewabi	e tueis us	ea
	40							
	40			<b></b>				
	35		·-·	J	``			
	30						Key	
rawatt-hours	25						gas oil	;
(TWh)	15						—— nuc	lea
	10-						······ coa	ıl
	5-							
	0							
	2006	2007	2008	2009	2010	2011		
			E:	_				
			Fig.	5				
<b>(i)</b> Wh	at is mean	t by the term	n 'non-renew	able fuel'?				
			•••••					
<b>(ii)</b> Wh	ich fuel us	e has increa	sed by the la	argest amour	nt between 2	2006 and 2	2011?	

(111)	gas used for electricity production and the change in oil used for electricity production.
	[2]
(iv)	Explain why so little coal is used for electricity production in Pakistan.
	[3]

(	ď	) Read	the	following	article:
۱	W,	, ilcau	uic	TOHOWING	ai tiolo.

⊢r	nρr	UV.	cr	10	19
	101	ч	OI	U	-

Industrial growth in Pakistan relies on the availability of energy. Pakistan does not produce enough energy for its needs and therefore spends a lot of its earnings on expensive imports of fuels.

Describe briefly different measures that can be taken to solve the country's energy crisis. To what extent can these measures be successful?
[6]

[TOTAL: 25]

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(a) (i)	Describe <b>two</b> human inputs used in the cultivation of cotton.
	1
	2
	[4]
(ii)	Study Fig. 6 which is a graph showing the production of raw cotton in Pakistan over the period 1982–2014.
	12 7
	10
	8
raw cotto (million bal	
	4
	1982 1986 1990 1994 1998 2002 2006 2010 2014
	Fig. 6
	A Describe the main changes in the production of raw cotton between 1982 and 2014.
	[3]

	B Suggest <b>three</b> reasons for the production levels seen in the years 1991, 2004 2011.	↓ or
	1	
	2	
	3	
		[3]
(b)	Describe different ways in which governments can support farmers.	
		.[4]

**(c)** Study Fig. 7 which is a table giving information about agriculture in Pakistan over the period 1950–2010.

Year	Agriculture % share in labour force	Total cropped area (million ha)
1950	66	13
1960	59	15
1970	58	17
1980	53	19
1999	47	23
2007	48	24
2010	45	23

Fig. 7

(i)	Describe the relationship between agricultural labour force and cropped area.
	[2]
(ii)	Suggest reasons for the change over the period 1950–2010 for <b>either</b> labour force <b>or</b> cropped area, as shown in Fig. 7.
	Choice
	Reasons
	[3]

(d) Read the following two view
---------------------------------

A

Pakistan should plant more cash crops on its land to generate export earnings.

More land should be used to grow crops to feed the growing population of Pakistan.

В

Which view do you agree with r examples you have studied.				
	 	 		•••
	 	 		•••
	 	 	[	6]

[TOTAL: 25]

**5 (a) (i)** Study Fig. 8 which is a bar graph giving information about infrastructure spending in Pakistan for 2014–15.

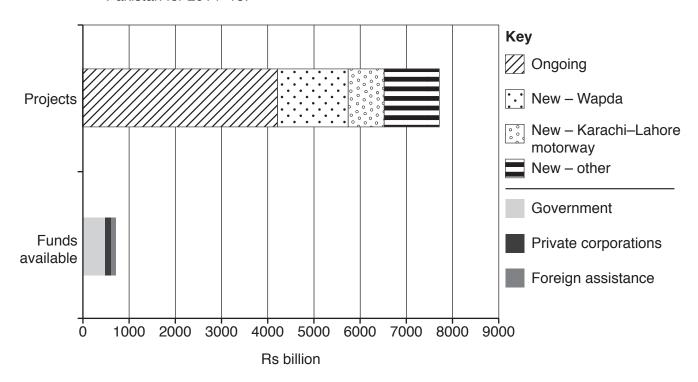


Fig. 8

A	What is meant by the term 'infrastructure'?	
	[2]	
В	Using information from Fig. 8 only, describe problems for infrastructure spending in 2014–15.	
	[3]	

	(11)	why this might be.
		[3]
/I- \	D	
(D)	Rea	d the following article:
	nu in	eople move to towns and cities from the countryside for many reasons and often in large ambers. Some people return but most stay. As well as changing the lives of the migrants many different ways, this rural—urban migration also brings change to the urban areas. The effects can be positive or negative.
	(i)	State <b>two</b> pull factors for the movement of population described in the article.
		1
		2
		[2]
	(ii)	Describe the effects on urban areas of the movement of large numbers of people into them.
		[4]

	Name a fishing port on the Sindh coast.
<b>/···</b> \	
(ii)	Describe activities that are involved in the secondary sector of the fishing industry.

[TOTAL: 25]

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