

Cambridge International Examinations

Cambridge Ordinary Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

PAKISTAN STUDIES

2059/02

Paper 2 The Environment of Pakistan

May/June 2017

1 hour 30 minutes

Candidates answer on the Question Paper.

Additional Materials:

Ruler

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 Photograph A for Question 1 and Photographs B and 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.



International Examinations

1	(a)	(i)	What is	meant by eac	h of the following	ng terms?			
			A Sub	sistence crop	farming				
			B Cas	h crop farming	j				
									[2]
		(ii)	From the	e list below ch		nple of a crop that			
		(,			nainly grown as		no mainly gro	Wir do d odbolo	.01100
		ric	e s	sugar cane	oilseeds	vegetables	cotton	wheat	
			Subsiste	ence crop					
			Cash cr	op					[2]
	(iii)	What ar	e the advanta	nee and disadu	antages of using I	High Violding	Variation of cro	no2
	`	/	vviiat ai	c the advanta	ges and disadv	antages of using i	ngn neiding	varieties of Cio	ps:
Λ dν					ges and disadv		- Ingri Treiding	varieties of cro	pps :
Adv	/anta			o ino advanta	ges and disadv	Disadvantages	Tigit Helding	varieties of cro	ips ?
Adv					ges and disadv			varieties of Cro	
Adv					ges and disadv			varieties of Cro	
Adv					ges and disadv	Disadvantages		varieties of Cro	
Adv					ges and disadv	Disadvantages			
Adv						Disadvantages			
Adv						Disadvantages			
Adv						Disadvantages			
Adv						Disadvantages			

[4]

(b) Study Fig. 1, which shows population growth rates for selected provinces over three time periods.

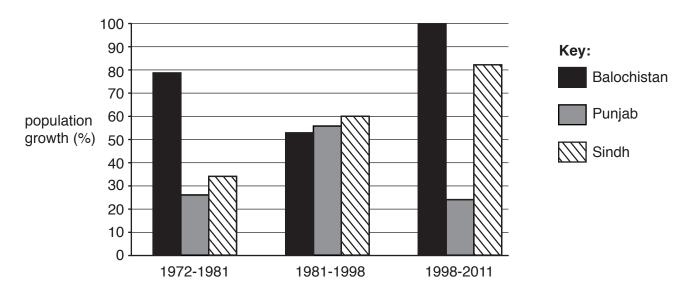


Fig. 1

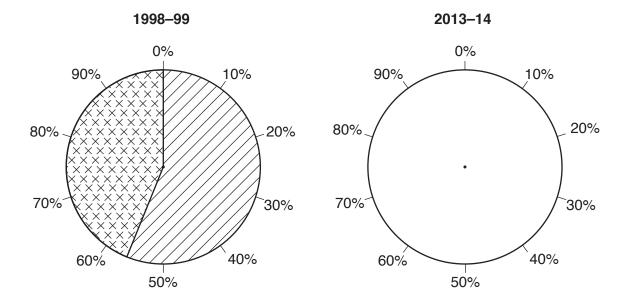
(i)	Α	What was the population growth rate for Punjab between 1972 and 1981?
	В	Which province showed an increase in population growth rate in every period?
(ii)	Ide	ntify one difference between the population growth rates of Balochistan and Punjab.
		[1]
(iii)		plain two factors which have contributed to population growth in Pakistan. I should develop your answer.
		141

(c)	Stu	dy Photograph A (Insert).
	(i)	Describe the type of farming shown in the photograph.
		[2
	(ii)	How is the keeping of buffalo different from the type of farming in Photograph A?
		[2

(d) Read the following two views about increasing food supply in Pakistan:

Development of the livestock sector is the best way to increase the amount of food available in Pakistan. B Increasing crop production and cultivable area is the best way of ensuring there is enough food in Pakistan.
Which view do you agree with more? Give reasons to support your answer and refer to examples you have studied. You should consider both View A and View B in your answer.

2 (a) Study Fig. 2, which shows changes in road type in Pakistan over a 15-year period.



Key:

Metalled

Unmetalled

Fig. 2

(i) Complete the pie chart for 2013–14 by using the following information and the key provided:

Road type	Percent
Metalled	73
Unmetalled	27

[2]

(ii) State the increase in the percentage of metalled roads in Pakistan between 1998–99 and 2013–14.

(iii) Suggest two advantages of developing the motorway network in Pakistan.

1	 																
2	 																

	(iv)	Explain the difficulties of building roads in the desert areas of Pakistan. You should develop your answer.
		[4]
(b)	Stud	dy Photographs B and C (Insert), which show typical working scenes in rural areas.
	(i)	Using Photograph B and your own knowledge, describe how bricks are made in rural areas.
		[3]
	(ii)	Describe the work being done in Photograph C.
		[2]

(c)	(i)	Why is employment in urban areas considered to be more attractive than employment in rural areas?
		[2]
	(ii)	State three pull factors that attract migrants to urban areas other than for work.
		1
		2
		3
		[3]

(d) It has been proposed that a large integrated iron and steel mill should be built on the outskirts of Rawalpindi, Punjab.

80 km² of land will be cleared for the mill and new infrastructure will be provided to the site by the local authorities. Large amounts of raw materials will be brought onto the site by road or rail and it is planned to produce up to 3 million tonnes of finished steel per year.

Evaluate how the new integrated iron and steel mill will affect the local people of Rawalpindi. Give reasons to support your answer. You should consider both benefits and problems in your answer.
[6]

3 (a) Study Fig. 3, which ranks Pakistan's main trading partners for imports and exports in 2013.

Rank	Origin of imports	Rank	Destination of exports
1	UAE	1	USA
2	China	2	China
3	Saudi Arabia	3	Afghanistan
4	Kuwait	4	UAE
5	India	5	Germany
6	Malaysia	6	UK

Fig. 3

(i)	Name a country which is a main trading partner for both imports and exports.
	[1]
(ii)	For either imports or exports suggest reasons why the countries listed are important trading partners for Pakistan.
	Choice
	[0]

(b) Study Fig. 4, which shows the amount of coal produced in Pakistan over the period 1980–2012.

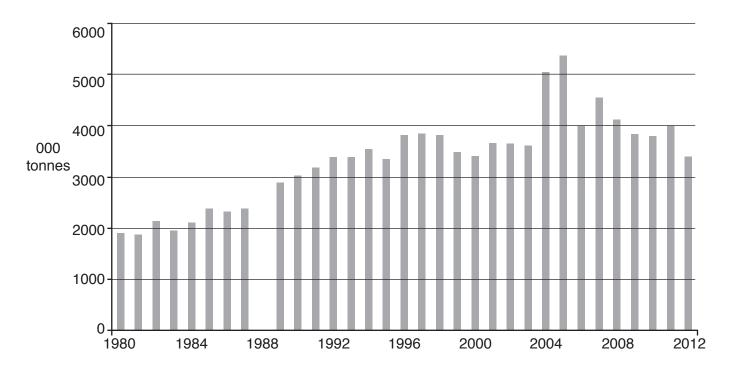


Fig. 4

(i)	Name two	coal	producing areas	in	Pakistan.
-----	----------	------	-----------------	----	-----------

1	
2	[2

- (ii) A Complete Fig. 4, by drawing the bar for 1988. The amount of coal produced in 1988 was 3 million tonnes.
 - B In which year did coal production peak?

.....

C How has coal production changed since its peak? (Circle) the correct answer.

increased decreased stayed the same [3]

	(iii)	Explain why the amount of coal being extracted in Pakistan has changed since its peak. You should develop your answer.
		[4]
(c)	Pak	istan usually has a negative balance of trade.
	(i)	What is meant by the term 'balance of trade'?
		[1]
	(ii)	What are the reasons for having a negative balance of trade?
		[3]
	(iii)	Suggest two effects of a negative balance of trade on the national economy.
		1
		2
		[2]

(d)	Evaluate whether using global telecommunications has improved employment opportunities in Pakistan. Give reasons to support your answer and refer to examples you have studied. You should consider different points of view in your answer.				
	[6]				
	[ο]				

4 (a) (i) Study Fig. 5, which shows a diagram of the karez system of irrigation.

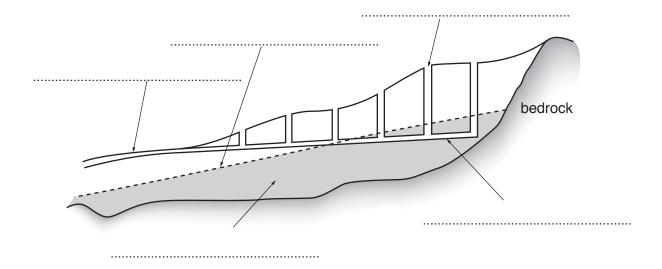


Fig. 5

Choose three terms from the list below and use them to label the diagram in three of the

(ii)	Explain how the use of chemical fertilisers on farms damages the natural environment. You should develop your answer.
_	[4]
Stu	dy Fig. 6, which shows water use by sector in Pakistan in 2008.
	80% Rey: irrigation/livestock industrial domestic
	Fig. 6
(i)	A Which sector used least water?
	B How much water was used by the irrigation/livestock sector?
(ii)	Name a type of industry that uses large amounts of water.

(c)

(iii)	About 60% of irrigation water is lost before it reaches crops. Give three reasons irrigation water is lost in this way.	why
	1	
	2	
	3	
		[2]

В

(d) Read the following two views about water shortages in Pakistan:

A

The best way to prevent water shortages in Pakistan is to build more dams and other infrastructure projects. These will store or supply more water.	The best way to prevent water shortages in Pakistan is to educate people about different methods of saving water. These methods could be carried out in agriculture, industry, and in homes.
	e? Give reasons to support your answer and refer to ald consider both View A and View B in your answer.

.....[6]

(a) Study Fig. 7, which shows the amount of oil produced in Pakistan and the amount of oil imported, for selected years.

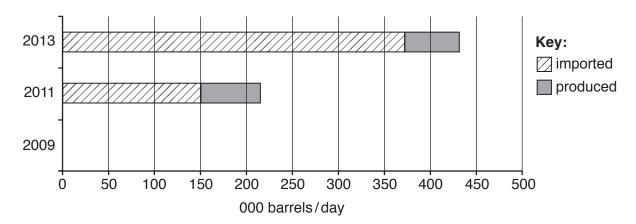


	Fig.	7	
Name the local located there.		in Pakistan. Give one	reason to suggest why it is
Location			
Reason			
			[2]
Complete Fig.	. 7 by drawing the bar for	2009, using the inform	mation below:
	2009	Barrels/day	
	Imported	185 000	
	Produced	60 000	
			[1]
		and the amount of oil	imported in Pakistan in the
			[2]
	located there. Location Reason Complete Fig. Compare the	Name the location of one oil refinery located there. Location Reason Complete Fig. 7 by drawing the bar for 2009 Imported Produced Compare the amount of oil produced years 2011 and 2013.	Location Reason Complete Fig. 7 by drawing the bar for 2009, using the inform 2009 Barrels/day Imported 185 000 Produced Compare the amount of oil produced and the amount of oil

(iv)	Give tv	vo reasons why Pakistan imports large amounts of	oil.	
	1			
:	2			
				[2]
	y Fig. 8 –2014.	3, which shows population and electricity production	n in Pak	kistan over the period
	250 7		250	
	200 -		- 200	
population (millions)	150 -		- 150	electricity production (billion kWh)
	100 -	,	- 100	
	50 -		- 50	Key: —— population
	0 - 20	00 2002 2004 2006 2008 2010 2012 20	- 0 14	electricity production
		Fig. 8		
(i) .		scribe the relationship between population and 00 to 2008.	l electrio	city production from
I	B Des	scribe the changes in population and electricity proc		
				[2]

(ii) Explain why electricity production does not meet the demand for electricity in many parts

	of Pakistan. Yo	u should develo	op your answe	r.		
	of Pakistan. You should develop your answer. (c) (i) Electricity can be generated using solar power. Complete the passage below by choosing the correct words from the list and placing them in the spaces provided. (ectangular, solar					
						[4]
(c) (i)	•	•	•	•		w by choosing
Rectangul	ar, solar		. are made up	of many solar		
which con	vert the		energy from th	ne sun into ele	ctrical energy.	They can
be placed	on the		of houses and	other buildings	. Large arrays	of solar
panels car	n be sited on the	ground, for exa	ample in deser	ts. Solar pane	ls should face	
	in	order to collect	as much of the	e sun's energy	as possible. O	ther
solar powe	er systems use tl	ne sun to heat v	water and the .		is the	n used to
turn a turb	ine.					
	roofs	panels	wind	steam	east	
	r	neat ligh	ht sou	th cell	S	[3]
(ii)	What are the d	isadvantages o	f generating el	ectricity by wa	ve and tidal po	wer?
						[3]

(d) Read the following two views about solutions to Pakistan's shortage of energy:

A	To produce more of scale power generated as nuclear, gand multi-purpose	ration schemes las-fired, oil-fired, HEP (Hydel)	power ge be set up	ce more energy, small-scale eneration schemes should o, such as biogas, wind, and ever plants.
	power stations sho	ould be built.	Solai pov	rei plants.
				oport your answer and refe A and View B in your answe

Additional Pages

If you use number(s)	the follow must be c	wing lined learly sho	d pages to wn.	o complete	the	answer(s)	to any	question(s),	the	question
			•••••							
		•••••	•••••							
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