

Cambridge O Level

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

460655214

PAKISTAN STUDIES 2059/02

Paper 2 The Environment of Pakistan

October/November 2023

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)

Ruler

INSTRUCTIONS

- Answer three questions.
- Use a black or dark blue pen.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- If additional space is needed, you should use the lined page at the end of this booklet; the question number or numbers must be clearly shown.

INFORMATION

- The total mark for this paper is 75.
- The number of marks for each question or part question is shown in brackets [].
- The insert contains additional resources referred to in the questions.

This document has 20 pages.

1 (a) (i) Study Fig. 1.1, a map showing southern Pakistan and surrounding countries.

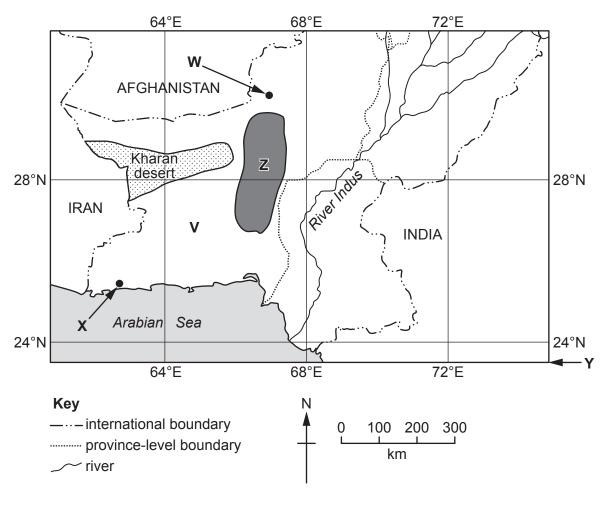


Fig. 1.1

Name the province labelled V and the two cities labelled W and X on Fig. 1.1.

V	
w	
x	[2]
	[3]

(ii) Using Fig. 1.1 only:

state the straight-line distance between city X and city W.

kr	Υ
----	---

– state the direction of city ${f X}$ from city ${f W}.$

.....[2]

(iii) Identify the line of latitude labelled Y on Fig. 1.1.

Y[1]

(iv)	Using Fig. 1.1 only , describe the location of the mountains labelled Z .
	[3]
(b) (i)	Define and give an example of 'natural topography'.
	definition
	example[2]
(ii)	Explain two ways deserts restrict agricultural activities in Pakistan. You should develop your answer.
	1
	2
	[4]

(c) S	Suggest four ways, other than agriculture, that deserts can be used by people.
1	1
2	2
3	3
4	4
	[41

(d)	To what extent is building additional motorways and major roads in all areas of Pakistan essential for its future economic development? Give reasons to support your judgement and refer to examples you have studied. You should consider different points of view in your answer.
	[6]

[Total: 25]

2 (a) (i) Study Fig. 2.1 and Fig. 2.2, climate graphs showing rainfall and temperature for Multan and Lahore.

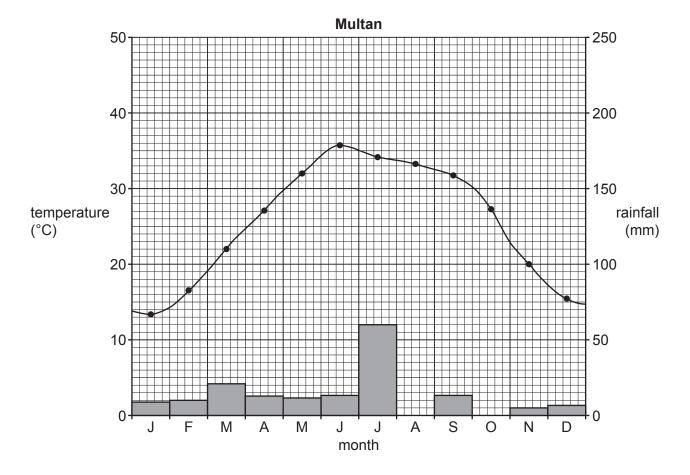


Fig. 2.1

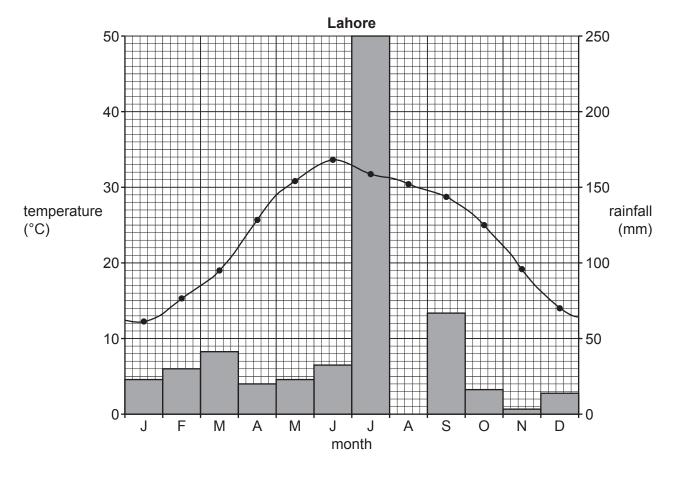


Fig. 2.2

Complete Fig. 2.1 and Fig. 2.2 to show the rainfall for Multan and Lahore in August using the information below.

	rainfall (mm)
Multan	35
Lahore	175

- 1	Z	
		•

ii)	Using Fig. Lahore.	2.1 and	Fig. 2.2	only,	compare	the	climate o	f Multan	with	the	climate	of
												••••
											•••••	••••

(iii)	What type of climate region does Fig. 2.2 show? Suggest one reason for your answer	∍r.
	climate region	
	reason	
		 [2]
(b) (i)	State three factors that affect temperature in Pakistan.	[4]
(6) (1)	1	
	2	
	3	
		[3]
(ii)	Describe the distribution of convectional rainfall and monsoon rainfall across Pakistal	n.
		[3]
(iii)	Explain the causes of the monsoon in Pakistan. You should develop your answer.	
		[4]

(c)	State two types of weather associated with a depression.
	1
	2
	[2]
(d)	Evaluate the impact of rain storms on agriculture, industry and communications in Pakistan. Give reasons to support your judgement and refer to examples you have studied. You should consider different points of view in your answer.
	[6]
	[Total: 25]

3	(a)	(i)	Study Fig. 3.1 (Insert), a map showing natural vegetation types found in southern Pakistan.
			Using Fig. 3.1 only , describe the distribution of riverain forest / bela.
			[3]
		(ii)	Study Fig. 3.2 (Insert), a photograph showing a type of vegetation found in Pakistan.
			Identify the type of vegetation shown in the photograph. Circle the correct answer.
			evergreen forest mangrove tropical thorn / rakh [1]
		(iii)	Using Fig. 3.2 (Insert) only , describe two characteristics of the type of vegetation shown.
			1
			2
			[2]
	(b)	(i)	Barrages have been built on many rivers. Name two barrages in Pakistan.
			1
			2[2]
		(ii)	Suggest how barrages can be useful to farmers.

(c) (i) Name two types of fish caught in each of Pakistan's marine waters and inland waters.

marine waters	inland waters
1	1
2	2

d)	Sustainable fishing means protecting habitats and species of fish, leaving enough for future generations.
	Evaluate the potential for the further sustainable development of the fishing industry in Pakistan. Give reasons to support your judgement and refer to examples you have studied. You should consider different points of view in your answer.
	[6]
	[7] [Total: 25]
	[

4	(a)	(i)	Draw a labelled diagram to show how natural gas is extracted.
			[4]
		(ii)	State one way natural gas is transported in Pakistan.
			[1]
		(iii)	In 2020 Pakistan had approximately 19000000 MMcf of gas reserves and gas consumption was 1600000 MMcf per year.
			MMcf = million cubic feet.
			Calculate how many years of gas reserves Pakistan had at the rate of consumption in 2020. Show your working in the box below.
			[2]

(b) Study Fig. 4.1, a diagram showing three types of renewable energy.

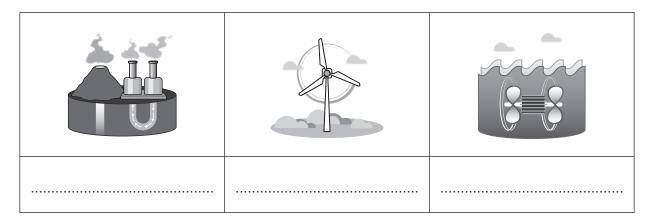


Fig. 4.1

Complete the boxes in Fig. 4.1 by naming each type of renewable energy.

[3]

(c) (i)		Study Fig. 4.2 (Insert), a photograph showing a solar farm in Pakistan.			
		Using Fig. 4.2 only , describe the features of the solar farm shown.			
	(ii)	Explain how electricity can be generated from solar power. You should develop y answer.			
	(iii)	State two disadvantages of using solar power as a method of generating electricity.			
		1			
		2			
			 [2]		

future development:

(d) Read the following two views about ways of securing sufficient power supplies for Pakistan's

Α	В
Pakistan should import more fossil fuels to secure its future power supplies.	Pakistan should develop more renewable energy to secure its future power supplies.
	Give reasons to support your answer and refer
examples you have studied. You should c	onsider view A and view B in your answer.

[Total: 25]

5	(a) (i)	Define 'tertiary industry'.						
								. [1]
	(ii)	State two job types found in the formal sector and the informal sector of the tourism industry.						
		formal sector			informal	sector		
		1		1				
		2		2				
								[4]
	(iii)	Describe two disadvantages of	working in th	e informal sec	tor.			
		1						
		2						
(b) Study Fig. 5.1, a divided bar graph showing the international tourism revenu								[2]
		rld regions in 2017 as a percentag			tourisiii	revenue	ior dine	Heni
	0	10 20 30 40	50 6	50 70	80	90	100	
	17	share of internati	onal tourism	revenue (%)				
	Key An	nericas Africa Middle Eas	st 🛮 Asia-F	Pacific Eur	ope			
			Fig. 5.1					
	Usi	ng Fig. 5.1 only :						
	_	which region had the highest percentage of the world total?						
	– which region accounted for 3% of the world total?							
	_	what percentage of the world tot		unted for by th	e Asia-P	acific reg	jion?	
		%		•		J		
								[3]

(c) (i)	Study Fig. 5.2 (Insert), a photograph showing a tourist attraction in Pakistan.			
	Describe two attractions to tourists of the area shown.			
	1			
	2			
	[2]			
(ii)	Name and describe three cultural attractions of Pakistan.			
	1			
	2			
	3			
	[3]			
(iii)	Explain the importance of television and the internet to Pakistan's tourist industry. You should develop your answer.			
	[4]			

(d)	To what extent is developing new transport systems the most effective way to further develop the tourist industry in Pakistan? Give reasons to support your judgement and refer to examples you have studied. You should consider different points of view in your answer.					
	[6]					

[Total: 25]

Additional page

If you use the following page to complete the answer to any question, clearly shown.	the question number must be

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