

Cambridge O Level

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BANGLADESH STUDIES

7094/02

Paper 2 Environment and Development of Bangladesh

May/June 2022

1 hour 30 minutes

You must answer on the question paper.

You will need: Insert (enclosed)

INSTRUCTIONS

- Answer three questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- 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 pages 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.

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Answer three questions.

1 (a) Study Fig. 1.1, which shows the river network in Bangladesh.

Bangladesh river network

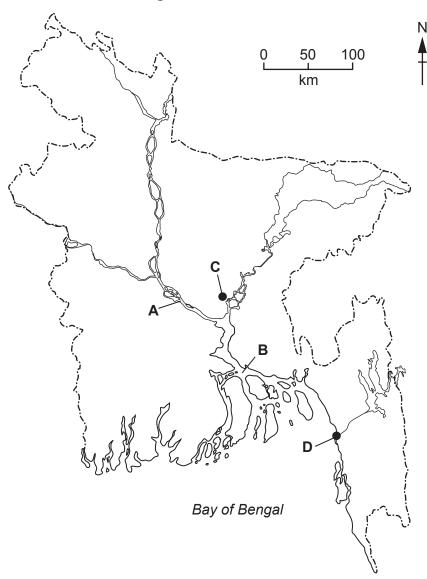


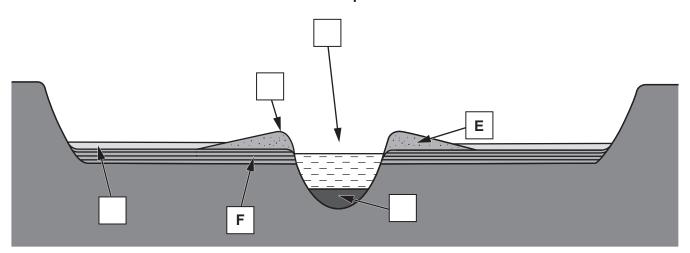
Fig. 1.1

Use Fig. 1.1 to name the following features:

b)	Describe how a river and its channel changes its characteristics when it reaches the lowland (lower course).
	[41]
	141

(c) Study Fig. 1.2, which shows a cross-section of a floodplain.

A floodplain



Key

- A bedload
- B levée
- **c** river channel
- **D** finer material
- **E** | coarser material
- F | layers of silt

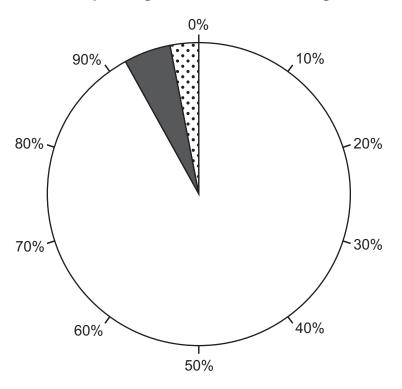
Fig. 1.2

(i)	What is a floodplain?	
		[1]
(ii)	Complete Fig. 1.2 by adding the labels A, B, C and D in the correct place. Labels E and F have been completed for you.	[4]

(d)	(i)	Why are rivers important for transport in Bangladesh?

(ii) Study Fig. 1.3, which shows the main causes of passenger boat accidents in Bangladesh.

Causes of passenger boat accidents in Bangladesh



Key

cause of accident	percentage (%)	shading
collision	43	
overloading	25	
bad weather	24	* * * * * * * *
fire and explosion	5	
damage to boat	3	

Fig. 1.3

Complete the pie chart on Fig. 1.3 using the key provided. Two causes have been completed for you. [3]

(e)	Stud	dy the statement below.
	'It is	impossible to stop all river flooding in Bangladesh.'
	(i)	Suggest one reason why it is impossible to stop all river flooding in Bangladesh.
		[1]
	(ii)	Suggest one method used to reduce river flooding.
		[1]
	(iii)	Do you agree that it is impossible to stop all river flooding in Bangladesh? Give reasons for your answer
		for your answer.
		[3]

[Total: 25]

2 (a) Study Fig. 2.1, which shows the average temperatures in January in Bangladesh.



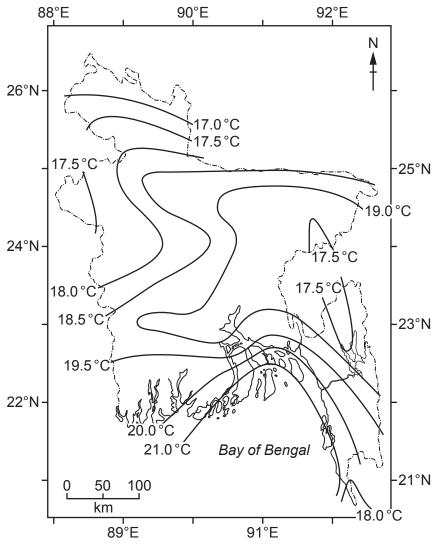


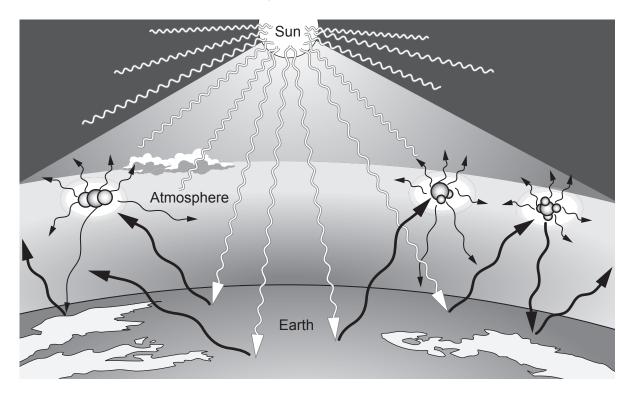
Fig. 2.1

I)	Using Fig. 2.1, describe the pattern of average temperatures in January.
	l.c.

(ii)	Give reasons to explain the pattern of temperatures in January.
	13

(b) Study Fig. 2.2, which shows the greenhouse effect.

The greenhouse effect



Key

short wave radiation

long wave radiation

greenhouse gases

Fig. 2.2

(1)	Name two greennouse gases.	
	1	
	2	
(ii)	Use Fig. 2.2 to help you explain how greenhouse gases contribute to global warming	[2] g.
		[4]

(c) Study Fig. 2.3, which shows the change in global average temperature from 1980 to 2019.

Change in global average temperature, 1980–2019

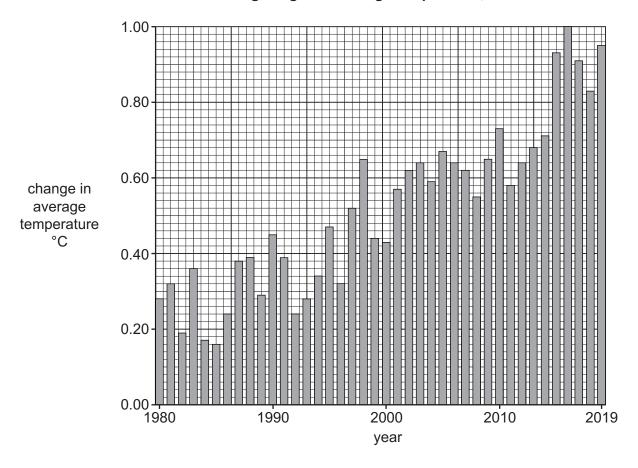


Fig. 2.3

(i)	What is the general trend shown in Fig. 2.3?	
(ii)	Which year has the highest change in average temperature?	
		[1]
(iii)	Calculate the difference in the average temperature change from 1980 to 2019.	
		[1]

	(iv)	Explain the ways that Bangladesh is at risk from global warming.	
			[5]
(d)	Stu	dy the two statements below.	[-]
(u)			I I
	Α	'It is up to governments to reduce greenhouse gas emissions in order to stop glo warming.'	bai
	В	'It is up to all of us to stop global warming.'	
	(i)	Give one argument which supports statement A.	
			[1]
	(ii)	Give one argument which supports statement B.	
			[1]
	(iii)	Which statement do you agree with the most? Give reasons for your answer.	
			[3]
			F-1

3	(a)	(i)	What is the difference between subsistence farming and commercial farming?
			[2]
		(ii)	Name two pulses grown as food crops.
			1
			2
	((iii)	[2] Why are pulses an important food crop?
			[2]

(b) Study Fig. 3.1, which shows changes in wheat production in Bangladesh between 2000 and 2018.

Wheat production in Bangladesh, 2000-2018

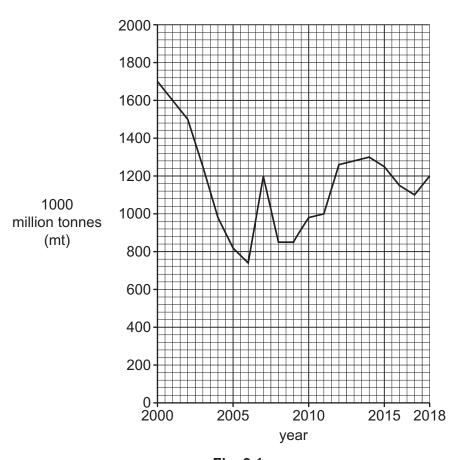


Fig. 3.1

L	Jsir	ng data from Fig. 3.1, describe how wheat production changed between 2000 and 2018.
•		
•		
•		
•		
•		[4]
S	Stuc	dy Fig. 3.2 (Insert) which shows rice farming in Bangladesh.
)es	cribe the physical and human inputs to the farming system shown in Fig. 3.2.
		[4]
(i)	What is meant by the term Green Revolution?
		[2]

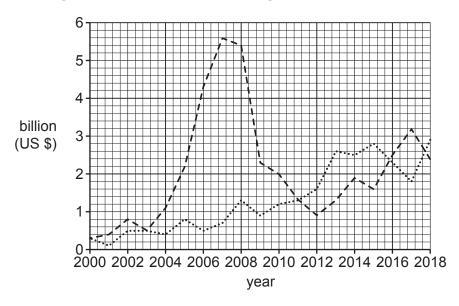
		the very small size of many farms in Bangladesh	
			•
		rural poverty.	
		[4	[]
(e)	Stu	dy the two statements below.	
	Α	'Modern farming methods are essential to increase food production.'	
	В	'Modern farming methods cause many problems.'	
	(i)	Give one argument which supports statement A.	
		[1]
	(ii)	Give one argument which supports statement B.	
		[1]

(iii)	Which statement do you agree with the most? Give reasons for your answer.
	[3]
	[Total: 25]

4	(a)	(i)	Give two examples of cottage industries in Bangladesh.
			1
			2
			[2]
	((ii)	Describe the main features of cottage industries in Bangladesh.
			[4]
	(i	iii)	Explain how cottage industries can help people break out of the cycle of poverty.

(b) Study Fig. 4.1, which shows information about foreign direct investment into Bangladesh and Pakistan between 2000 and 2018.

Foreign direct investment into Bangladesh and Pakistan, 2000–2018



Key	
•••••	Bangladesh
	Pakistan

Fig. 4.1

(i)	Compare foreign direct investment (FDI) into Bangladesh with FDI into Pakistan between 2000 and 2018.
	[4]

(ii)	Describe how foreign direct investment and multinational companies (MNCs) can help the development of industry.
	N1

(c) Study Fig. 4.2, which shows information about natural gas in Bangladesh.

Natural gas in Bangladesh

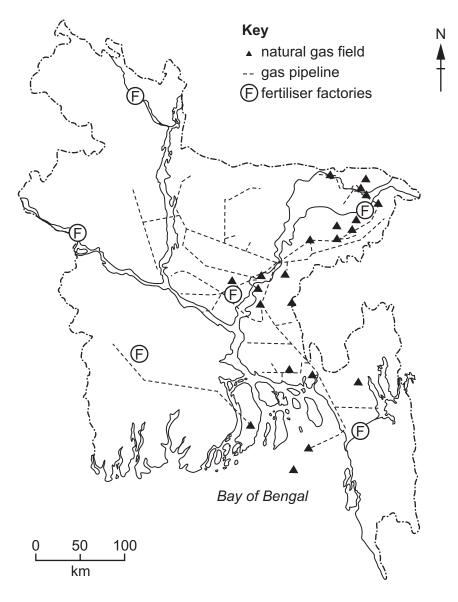


Fig. 4.2

	(i)	Use Fig. 4.2 to describe the distribution of the natural gas fields in Bangladesh.
		[3]
	(ii)	Name the industry shown in Fig. 4.2 that is linked to natural gas production.
	•	[1]
(d)	Stu	dy the two statements below.
	Α	'Bangladesh should invest in new gas fields to provide more energy for use in Bangladesh.'
	В	'Bangladesh should invest in new gas fields so gas can be exported.'
	(i)	Give one argument which supports statement A.
		[1]
	(ii)	Give one argument which supports statement B.
		[1]
	(iii)	Which statement do you agree with the most? Give reasons for your answer.
		[3]

5	(a)	Define the population term <i>natural increase</i> and show how it is calculated.	
			[0]

(b) Study Fig. 5.1, which shows the death rate in Bangladesh from 1960 to 2018.

Death rate in Bangladesh, 1960-2018

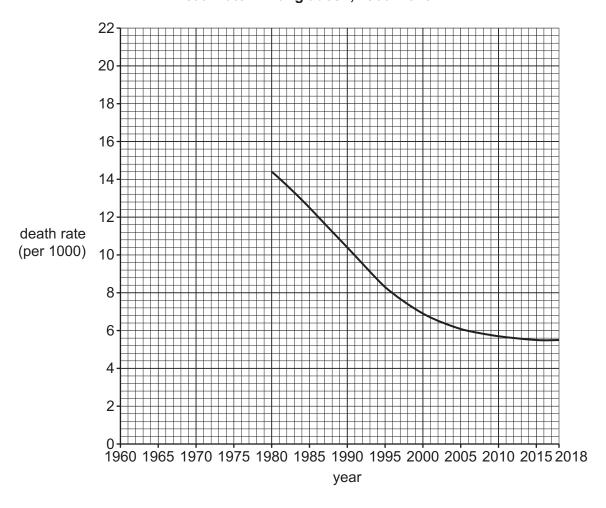


Fig. 5.1

(i) Complete the graph on Fig. 5.1 using the data below.

year	death rate (per 1000)
1960	20.3
1965	18.2
1970	19.0
1975	18.0

(ii)	Using Fig. 5.1, in which year was the death rate 10 per 1000?	
		[1]

(c) Study Fig. 5.2, which shows a number of schemes used in Bangladesh to control disease and improve quality of life.

Disease control in Bangladesh

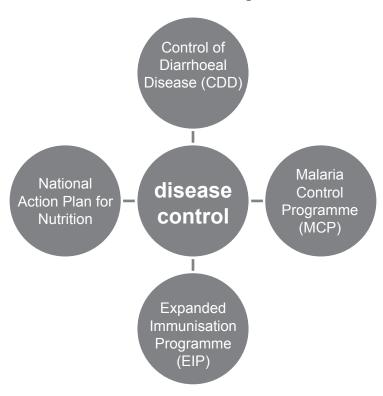


Fig. 5.2

Outline the approaches taken in **two** of the schemes shown in Fig. 5.2 to reduce the number of deaths in Bangladesh.

Scheme 1
Scheme 2
[4]

(d) Study Fig. 5.3, which shows enrolment rates at secondary schools in Bangladesh, Myanmar and India between 1980 and 2018.

Secondary school enrolment in Bangladesh, Myanmar and India between 1980 and 2018

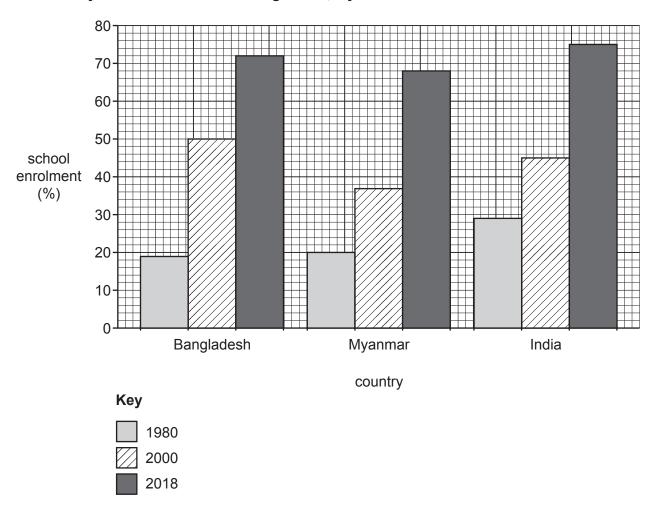


Fig. 5.3

)	Compare the change in secondary school enrolment in Bangladesh with enrolment in Myanmar and India between 1980 and 2018. Use data from Fig. 5.3 to support your answer.
	Bangladesh compared to Myanmar
	Bangladesh compared to India

(11)	20 years.	
		[4]
(iii)	State two educational challenges for Bangladesh.	
	1	
	2	 [2]

Question 5(e) is on the next page.

(e) Study	/ the	statement	below.

'Developing	education	is	more	important	than	improving	healthcare	for	the	economic
development	t of Banglad	des	h.'							

(i)	Give one argument why developing education is more important for the economic development of Bangladesh.
	[1]
(ii)	Give one argument why improving healthcare is more important for the economic development of Bangladesh.
	[1]
(iii)	Do you agree with the statement that developing education is more important than improving healthcare for the economic development of Bangladesh? Give reasons for your answer.
	[3]
	[Total: 25]

Additional page

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

Additional page

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