



## Cambridge O Level

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**BANGLADESH STUDIES**

**7094/02**

Paper 2 Environment and Development of Bangladesh

**May/June 2023**

**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.

This document has **28** pages. Any blank pages are indicated.

Answer **three** questions.

1 (a) Study Fig. 1.1 (Insert), which shows a satellite image of part of south-east Bangladesh.

Identify the following:

(i) city **A**

..... [1]

(ii) river **B**

..... [1]

(iii) river feature **C**

..... [1]

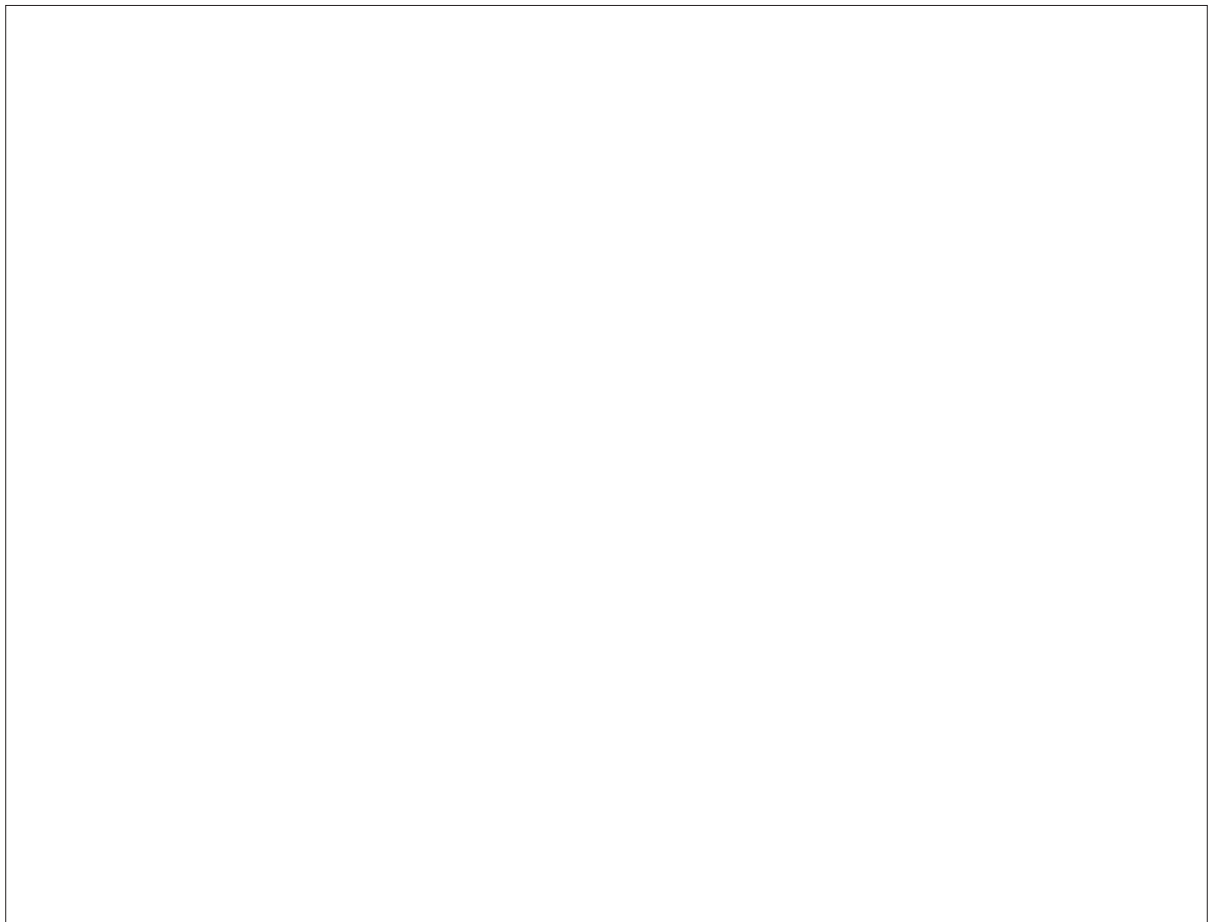
(iv) hydro-electric power (HEP) dam **D**

..... [1]

(v) hills **E**.

..... [1]

(b) Draw labelled diagrams to explain how an ox-bow lake is formed.



[4]

(c) Why is location **D** in Fig. 1.1 a suitable site for hydro-electric power (HEP)?

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(d) The coastal area of south-east Bangladesh, shown in Fig. 1.1, is used for aquaculture.

(i) What is meant by the term *aquaculture*?

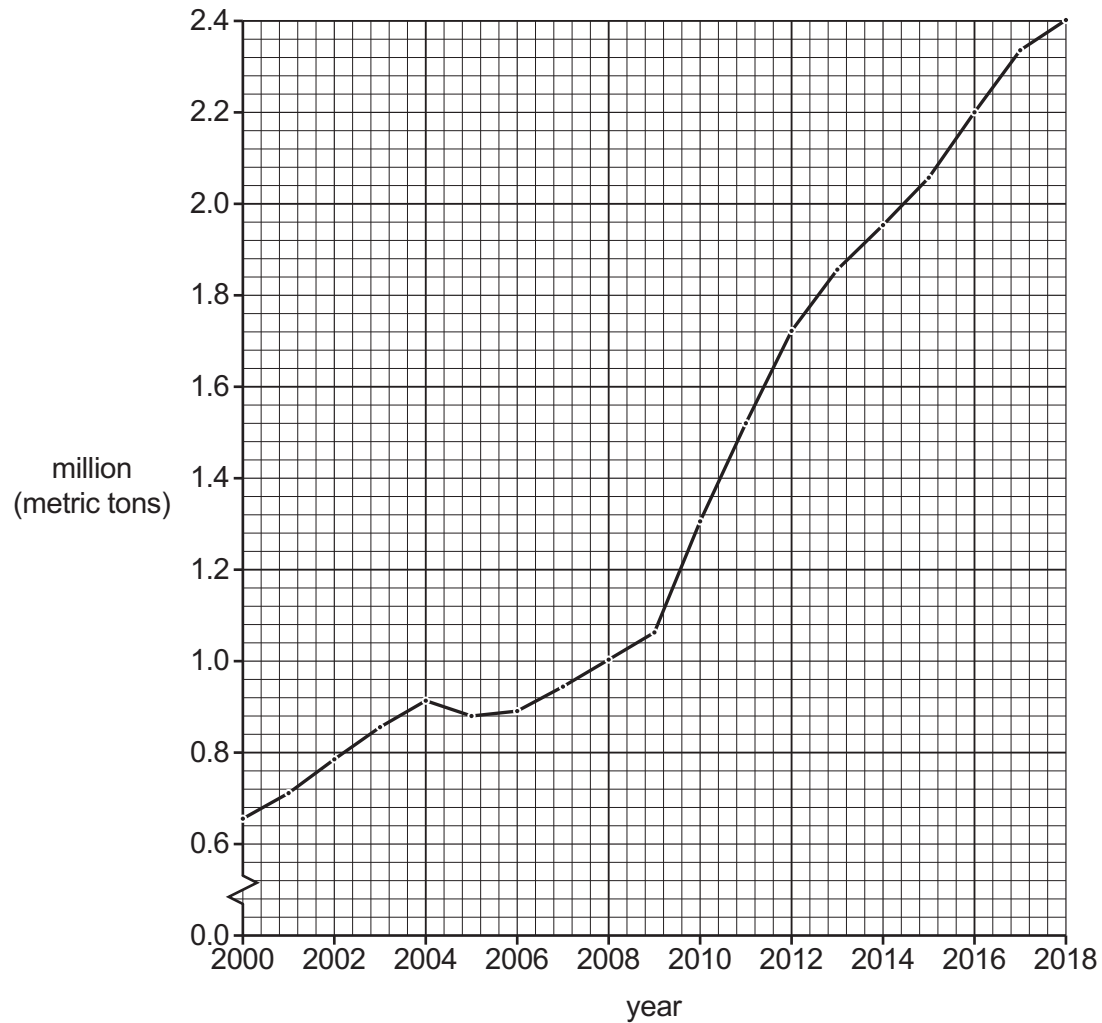
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..... [1]

(ii) Why are coastal areas, such as that shown in Fig. 1.1, suitable for aquaculture?

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..... [3]

- (iii) Study Fig. 1.2, which shows aquaculture production in Bangladesh from 2000 to 2018.

**Aquaculture production in Bangladesh, 2000–2018**



**Fig. 1.2**

Use Fig. 1.2 to describe the trends in aquaculture production in Bangladesh.

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..... [4]

(e) Study the statement below.

'The benefits of increasing aquaculture for the people of Bangladesh outweigh the problems it can cause for the environment.'

(i) Give **one** benefit of aquaculture for the people of Bangladesh.

.....  
..... [1]

(ii) Give **one** problem of aquaculture for the environment of Bangladesh.

.....  
..... [1]

(iii) Do you think that the benefits of increasing aquaculture for the people of Bangladesh outweigh the problems it can cause for the environment? Give reasons for your answer.

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[Total: 25]

2 (a) Study Fig. 2.1, which shows the annual rainfall in Bangladesh.

### Annual rainfall in Bangladesh

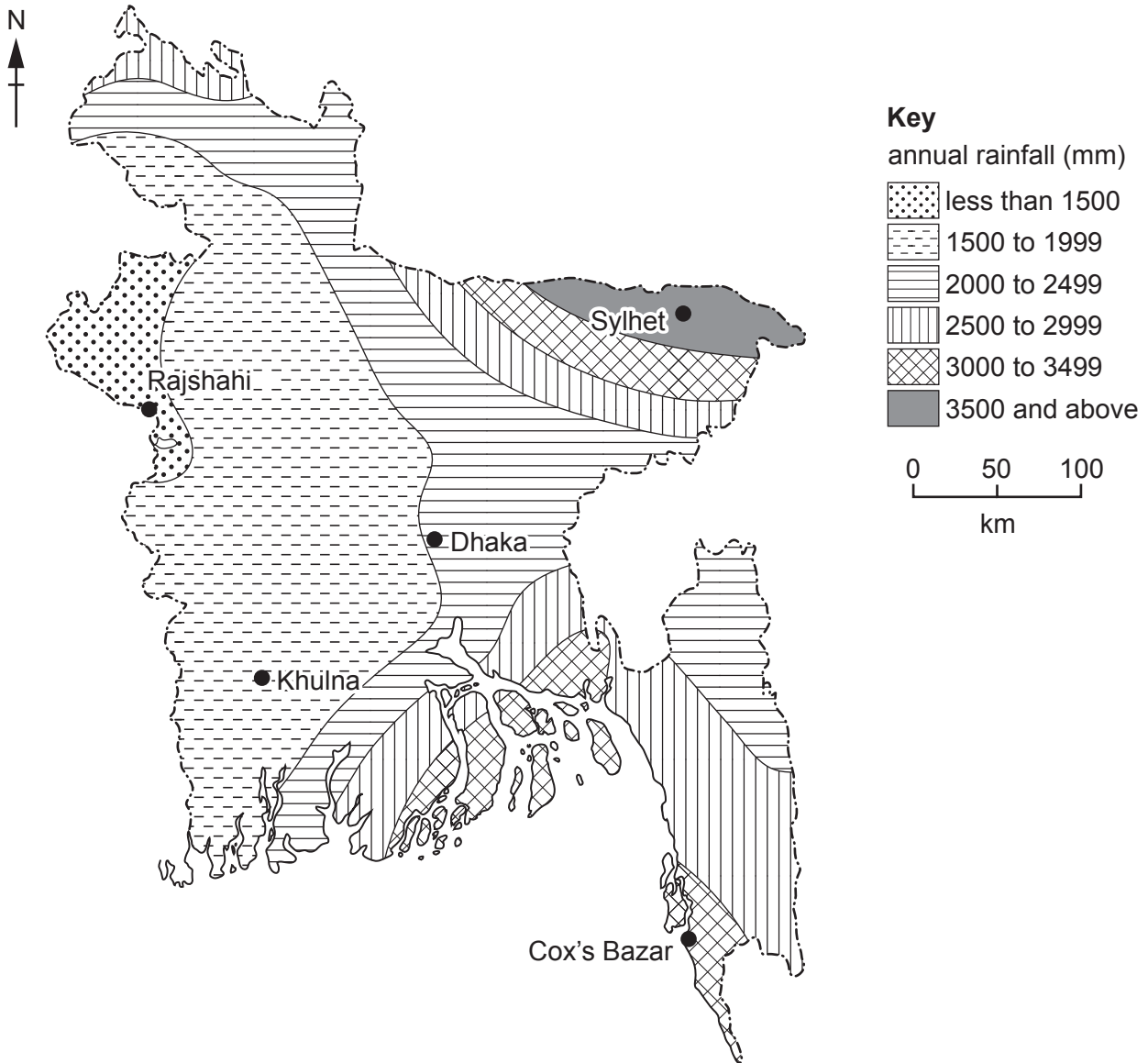


Fig. 2.1

(i) Complete Table 2.1 by adding ticks (✓) to show the annual rainfall at the locations shown in Fig. 2.1. One location has been completed for you.

Table 2.1

location	annual rainfall (mm)					
	less than 1500	1500 to 1999	2000 to 2499	2500 to 2999	3000 to 3499	3500 and above
Rajshahi	✓					
Dhaka						
Cox's Bazar						
Khulna						
Sylhet						

(ii) What problems does drought cause for the people who live in Rajshahi district?

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..... [4]

(b) (i) During which months does Bangladesh receive most rainfall from thunderstorms?

..... [1]

(ii) State **three** types of weather that occur in thunderstorms.

1 .....  
2 .....  
3 ..... [3]

(iii) Draw a labelled diagram to explain how thunderstorms develop.



[4]



(c) Study Fig. 2.2, which shows oil consumption in Bangladesh from 2009 to 2019.

**Oil consumption in Bangladesh, 2009–2019**

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**Fig. 2.2**

(i) Complete Table 2.2 with information from Fig. 2.2. [2]

**Table 2.2**

year	oil consumption (barrels per day, million)
2009	<input type="text"/>
2012	110
<input type="text"/>	140
2019	170

(ii) Using Fig. 2.2, state **one** year in which oil consumption declined between 2009 and 2019.  
 ..... [1]

(iii) State **two** of the main uses of oil in Bangladesh.

1 .....

2 .....

[2]

(d) Study the statement below.

'To meet the increasing demand for oil in Bangladesh, the government should develop new oil fields rather than increase oil imports.'

(i) Give **one** argument why Bangladesh should develop new oil fields.

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..... [1]

(ii) Give **one** argument why Bangladesh should increase oil imports.

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..... [1]

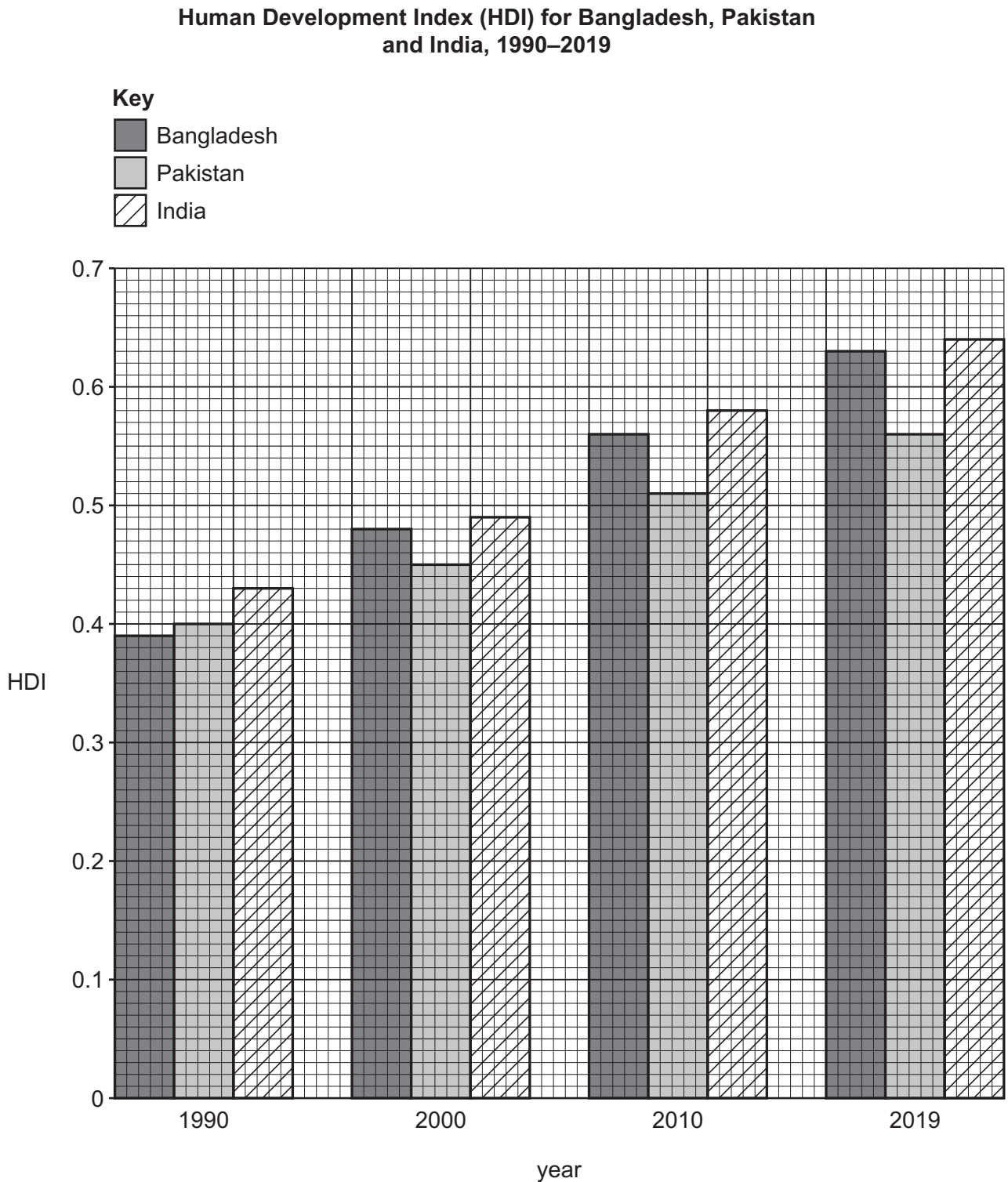
(iii) Do you think that it is better to develop new oil fields in Bangladesh or increase oil imports to meet the increasing demand for oil in Bangladesh? Give reasons for your answer.

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[Total: 25]



- 3 (a) Study Fig. 3.1, which shows the Human Development Index (HDI) for Bangladesh, Pakistan and India from 1990 to 2019.



**Fig. 3.1**

(i) The HDI is made up of information about the health, education and wealth of a country. Suggest a **different** development indicator which can be used to measure each of these.

health .....

education .....

wealth .....

[3]

(ii) What is the overall trend shown in Fig. 3.1?

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..... [1]

(iii) Using Fig. 3.1, which country has made the most progress from 1990 to 2019?

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..... [1]

(iv) Compare the HDI of Bangladesh with Pakistan as shown in Fig. 3.1.

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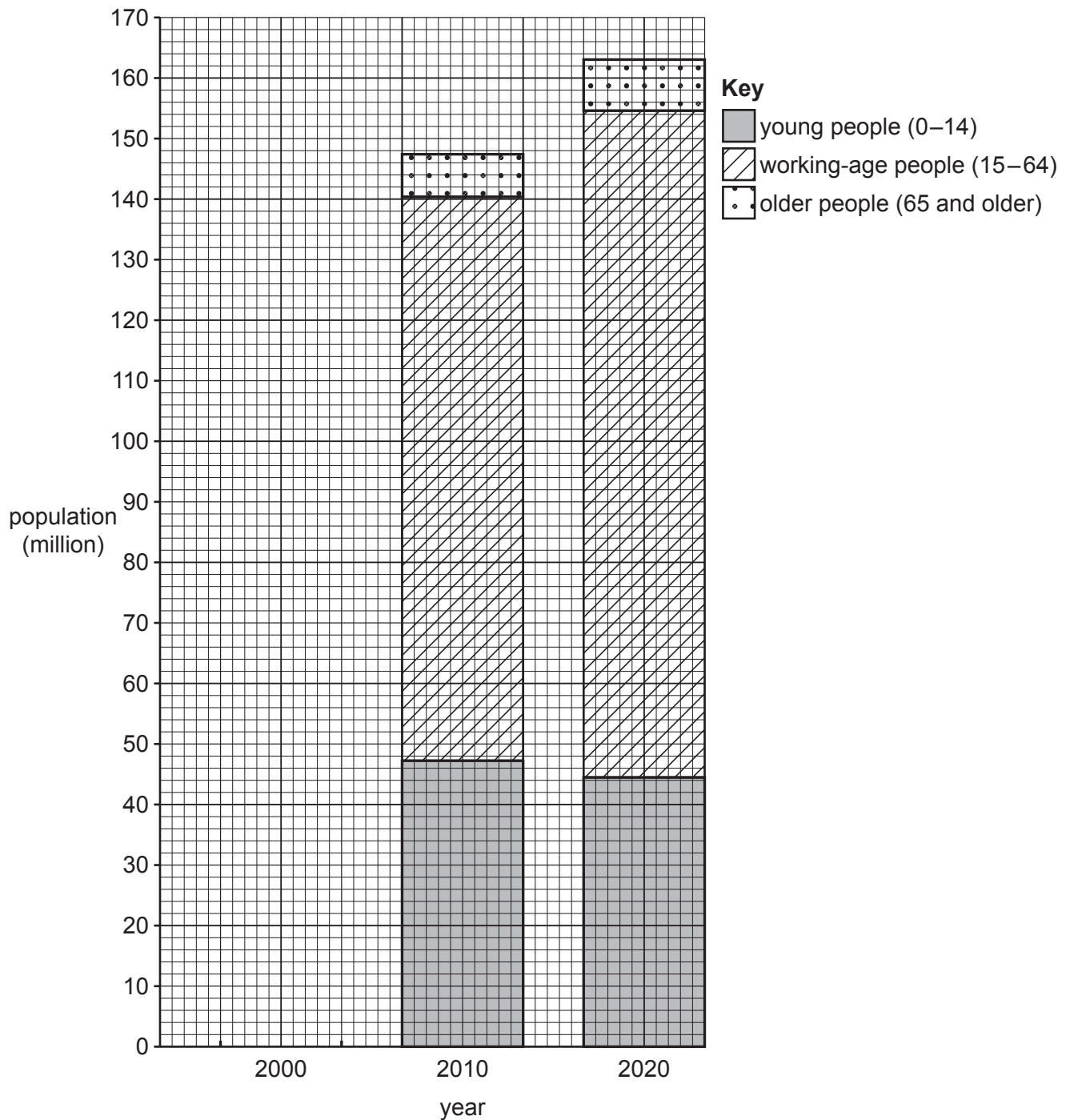
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..... [3]

- (b) Study Fig. 3.2, which shows the age structure and total population of Bangladesh in 2000, 2010 and 2020.

**Age structure and total population of Bangladesh in 2000, 2010 and 2020**



**Fig. 3.2**

(i) Complete Fig. 3.2 using the data in Table 3.1.

Table 3.1

year	young people (0–14)	working-age people (15–64)	older people (65 and older)
2000	47 million	76 million	5 million

[3]

(ii) What is meant by the term *dependency ratio* and how is it calculated?

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..... [2]

(iii) Explain why the number of young people is decreasing in Bangladesh.

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..... [4]

(iv) What will be the impact of fewer young people on the quality of life of people in Bangladesh in the future?

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..... [3]

(c) Study the statement below.

'The government's priority should be to look after the increasing number of older people rather than trying to provide jobs for the increasing number of people of working age.'

(i) Give **one** argument why older people need government help.

.....  
..... [1]

(ii) Give **one** argument why it is important to provide jobs for people of working age.

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..... [1]

(iii) Do you agree with the statement? Give reasons for your answer.

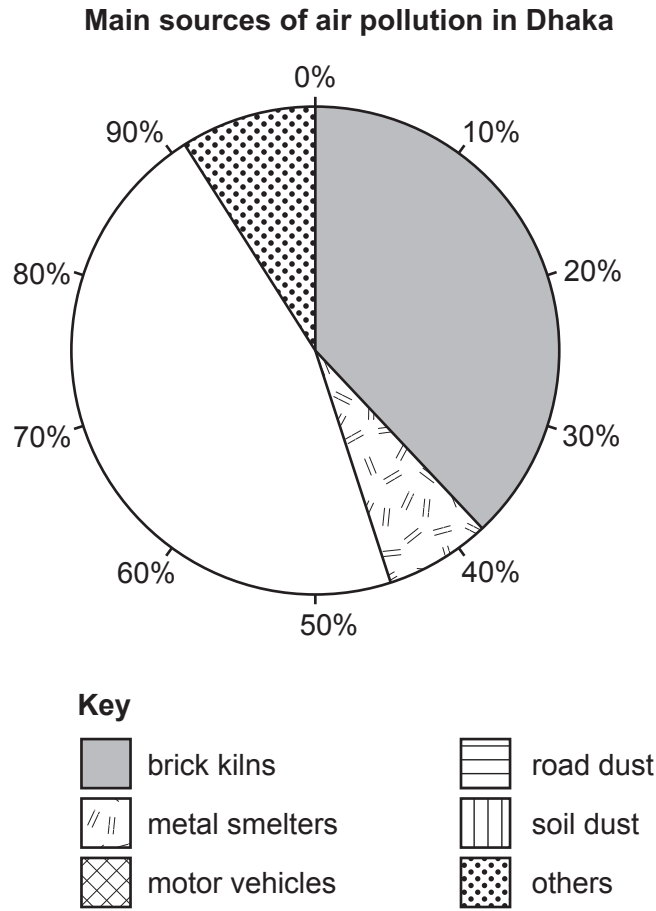
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[Total: 25]





4 (a) Study Fig. 4.1, which shows the main sources of air pollution in Dhaka.



**Fig. 4.1**

(i) Complete Fig. 4.1 using the following information:

- 19% motor vehicles
- 18% road dust
- 9% soil dust

[3]

(ii) What is the biggest source of air pollution shown in Fig. 4.1?

[1]

(iii) What are the effects of air pollution on people?

[4]

(iv) Describe how the Bangladesh Government is trying to reduce air pollution.

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(v) State **one** source of pollution in Bangladesh other than those shown in Fig. 4.1.

..... [1]

(b) Study Fig. 4.2 (Insert), which shows industrial growth rates in southern Asia in 2019.

(i) Use data from Fig. 4.2 to compare the industrial growth rate in Bangladesh with India and with Pakistan.

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(ii) Describe the obstacles that need to be overcome for Bangladesh's industry to continue to grow.

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(c) Study the statement below.

'It is more important to encourage small-scale and cottage industries than to invest in large-scale industry for Bangladesh's continued economic growth.'

(i) Give **one** argument why it is important to encourage small-scale and cottage industries for Bangladesh's continued economic growth.

.....  
..... [1]

(ii) Give **one** argument why it is better to invest in large-scale industry for Bangladesh's continued economic growth.

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..... [1]

(iii) Do you think that it is more important to encourage small-scale and cottage industries or invest in large-scale industry for Bangladesh's continued economic growth? Give reasons for your answer.

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[Total: 25]

5 (a) Study Fig. 5.1, which shows a World Bank press release on 8 October 2020.



Fig. 5.1

(i) What is meant by the term *informal workers*? Include examples in your answer.

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..... [2]

(ii) Explain why the informal sector is so important in Bangladesh.

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..... [3]

(iii) What are the disadvantages for workers in the informal sector?

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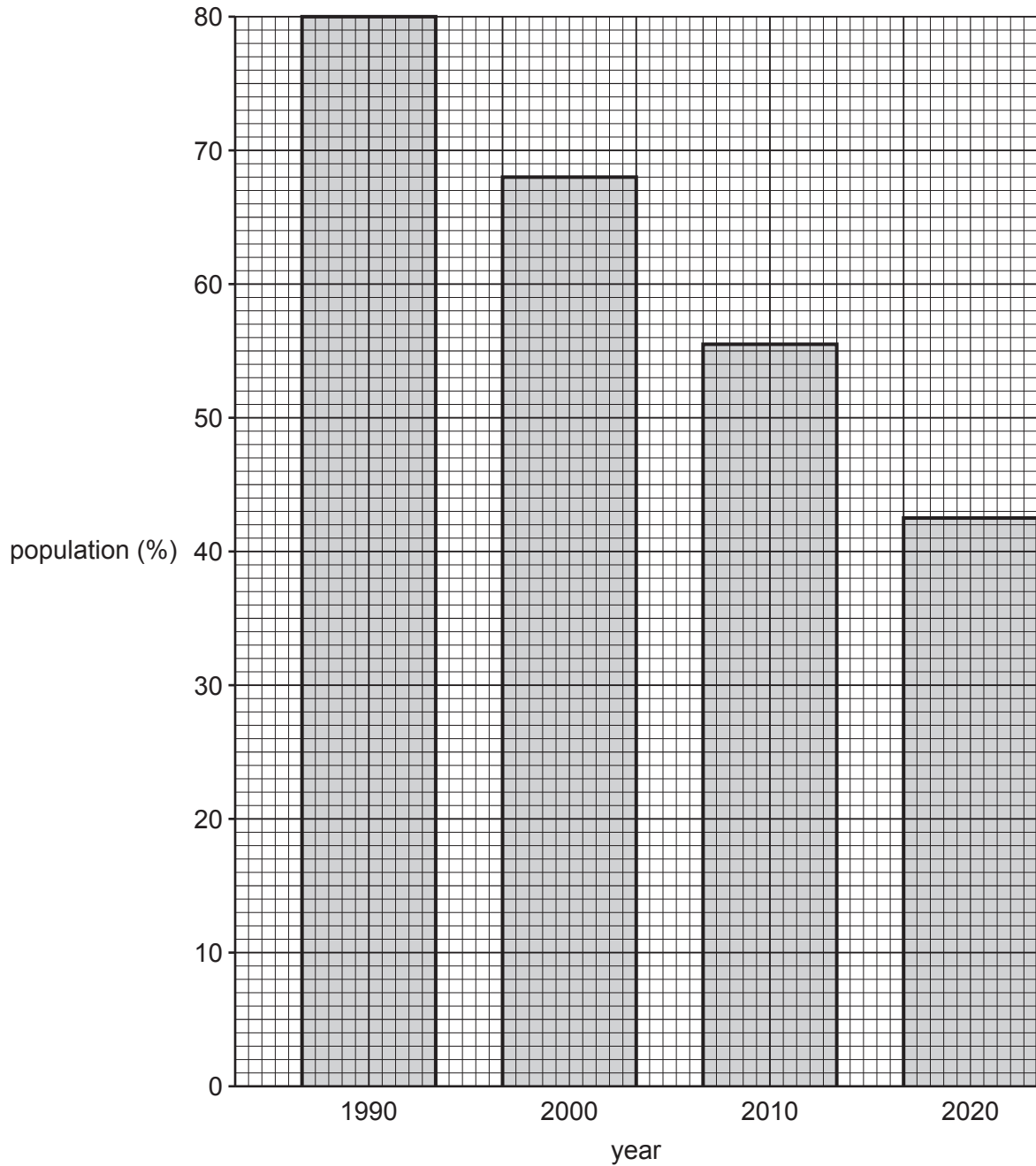
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..... [3]

- (b) Study Fig. 5.2, which shows the percentage of the population earning less than \$3.20 per day in Bangladesh between 1990 and 2020.

**Percentage of population earning less than \$3.20 per day  
in Bangladesh, 1990–2020**



**Fig. 5.2**

- (i) Use data from Fig. 5.2 to describe the change in the percentage of the population earning less than \$3.20 a day from 1990 to 2020.

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..... [3]

- (ii) Explain how micro-credit helps people escape poverty in Bangladesh.

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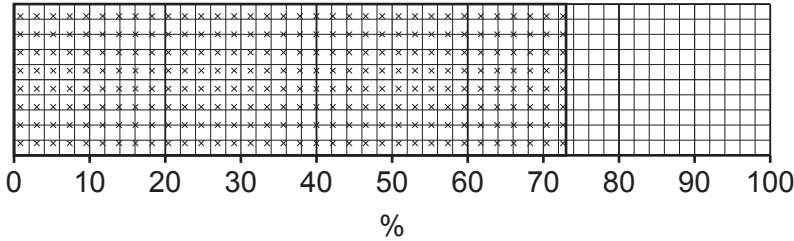
..... [4]

(c) In 2019, more than 700 000 Bangladeshis moved abroad.

Study Fig. 5.3, which shows the main reasons they decided to migrate.

**Reasons for migration, 2019**

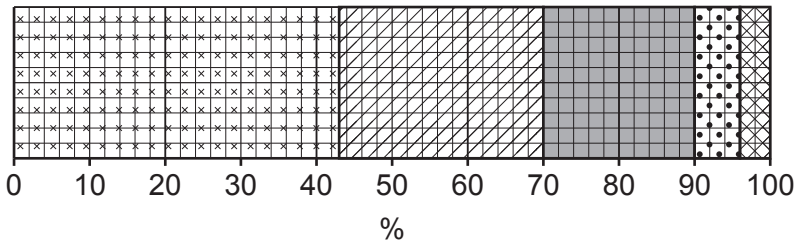
**Push factors**



**Key**

- lack of job
- financial reasons
- lack of social status
- no hope

**Pull factors**



**Key**

- family and friends abroad
- availability of jobs or higher salaries
- ease of migration
- availability of social services
- human rights and safety record

**Fig. 5.3**

(i) Complete Fig. 5.3 by plotting the following **push factors** data:

- 14% financial reasons
- 11% lack of social status
- 2% no hope

[3]

(ii) What is the difference between push and pull factors?

.....

..... [1]

(iii) Which is the most important **pull factor** shown in Fig. 5.3?

..... [1]



(d) Study the statement below.

'The Bangladesh Government has prioritised international migration from Bangladesh to other countries as a development strategy.'

(i) Give **one** argument in favour of international migration as a development strategy.

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..... [1]

(ii) Give **one** argument against international migration as a development strategy.

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..... [1]

(iii) How far do you agree that international migration can help to develop Bangladesh? Give reasons for your answer.

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[Total: 25]





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