**Pearson Edexcel International GCSE**

## Wednesday 31 May 2023

Afternoon (Time: 1 hour 30 minutes)

**Paper reference** 4BN1/02

# Bangladesh Studies
### PAPER 2: The landscape, people and economy of Bangladesh

You do not need any other materials.

Total Marks

## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
  – *there may be more space than you need*.
- Calculators may be used.

## Information

- The total mark for this paper is 75.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question*.

## Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ▶

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**Answer ALL questions. Write your answers in the spaces provided.**

**Some questions must be answered with a cross in a box ⊠. If you change your mind about an answer, put a line through the box ⊠ and then mark your new answer with a cross ⊠.**

## SECTION A

### The Physical Environment

**You should aim to spend no more than 30 minutes on this section.**

1    (a)  Study Figure 1, which shows a diagram of a tropical cyclone.
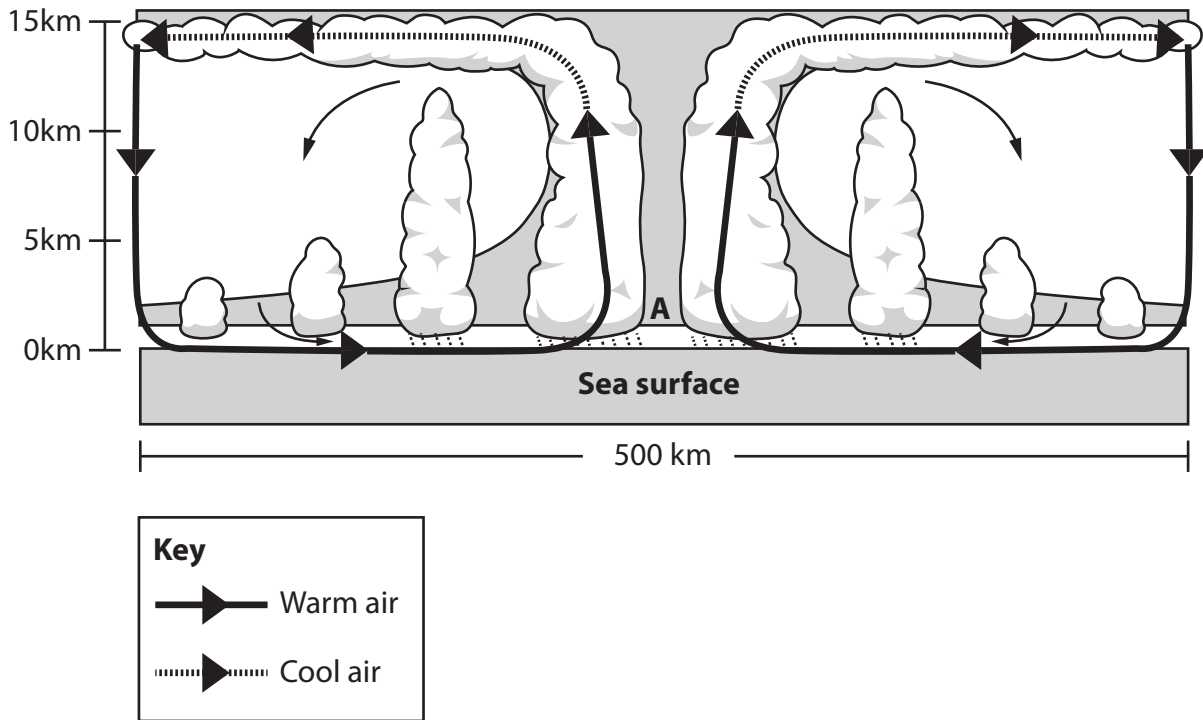


**Figure 1**

**A diagram of a tropical cyclone**

(i)   Identify the feature labelled **A**.

(1)

| ⊠ | **A** clouds |
|---|---|
| ⊠ | **B** eye |
| ⊠ | **C** fast moving winds |
| ⊠ | **D** rain band |

(ii)  State **one** factor that can result in the formation of a tropical cyclone.

(1)

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(b) State **two** primary impacts of earthquakes in Bangladesh.

(2)

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(c) Explain **one** cause of the formation of the Ganges delta.

(3)

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(d) Study Figure 2, which shows illegal mangrove wood collection in the Sundarbans mangrove forest in Bangladesh.



(Source: Images & Stories / Alamy Stock Photo)

**Figure 2**

**Illegal mangrove wood collection in the Sundarbans**

Suggest **two** environmental impacts of exploiting mangrove forests.

(4)

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(e) Explain how international agencies have responded to flood events in Bangladesh.

(6)

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(f) Assess why expanding the use of renewable energy resources is more important than expanding non-renewable energy resources in Bangladesh.

(8)

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**(Total for Question 1 = 25 marks)**

**TOTAL FOR SECTION A = 25 MARKS**

## SECTION B

### The Human Environment

**You should aim to spend no more than 30 minutes on this section.**

**2** (a) Study Figure 3, which shows information about the top four sources and values of remittances sent to Bangladesh in 2019.

| Country | Value (Bangladeshi taka ৳ million) |
|---|---|
| Saudi Arabia | BDT 344,700 |
| UAE | BDT 212,300 |
| Oman | BDT 106,500 |
| Qatar | BDT 87,500 |

**Figure 3**

**Information on sources and values of remittances sent to Bangladesh in 2019**

(i) Identify the total value of remittances sent to Bangladesh in 2019.

**(1)**

| ☒ | **A** ৳ 601,000 million |
|---|---|
| ☒ | **B** ৳ 651,000 million |
| ☒ | **C** ৳ 751,000 million |
| ☒ | **D** ৳ 801,000 million |

(ii) Define the term **remittances**.

**(1)**

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(b) State **two** reasons why people work in informal services in Bangladesh.

**(2)**

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(c) Explain **one** challenge facing the railway transport system in Bangladesh.

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(d) Study Figure 4, which shows information about the components of food security.

| AVAILABILITY | ACCESS | EQUALITY |
|---|---|---|
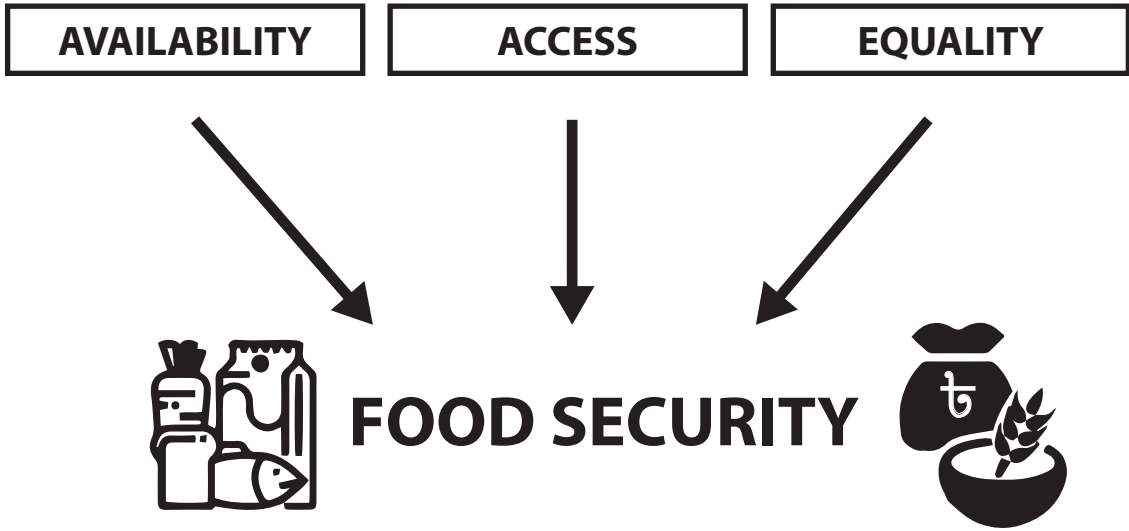
**FOOD SECURITY**

**Figure 4**

**Components of food security**

Suggest **two** ways that food security can be improved in Bangladesh.

(4)

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(e) Explain how secondary sector industries affect the environment of Bangladesh.

(6)

(f) Assess the importance of improvements in communication technology for the economic development of Bangladesh.

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**(Total for Question 2 = 25 marks)**

**TOTAL FOR SECTION B = 25 MARKS**

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**SECTION C**

**Challenges for Bangladesh**

**You should aim to spend no more than 30 minutes on this section.**

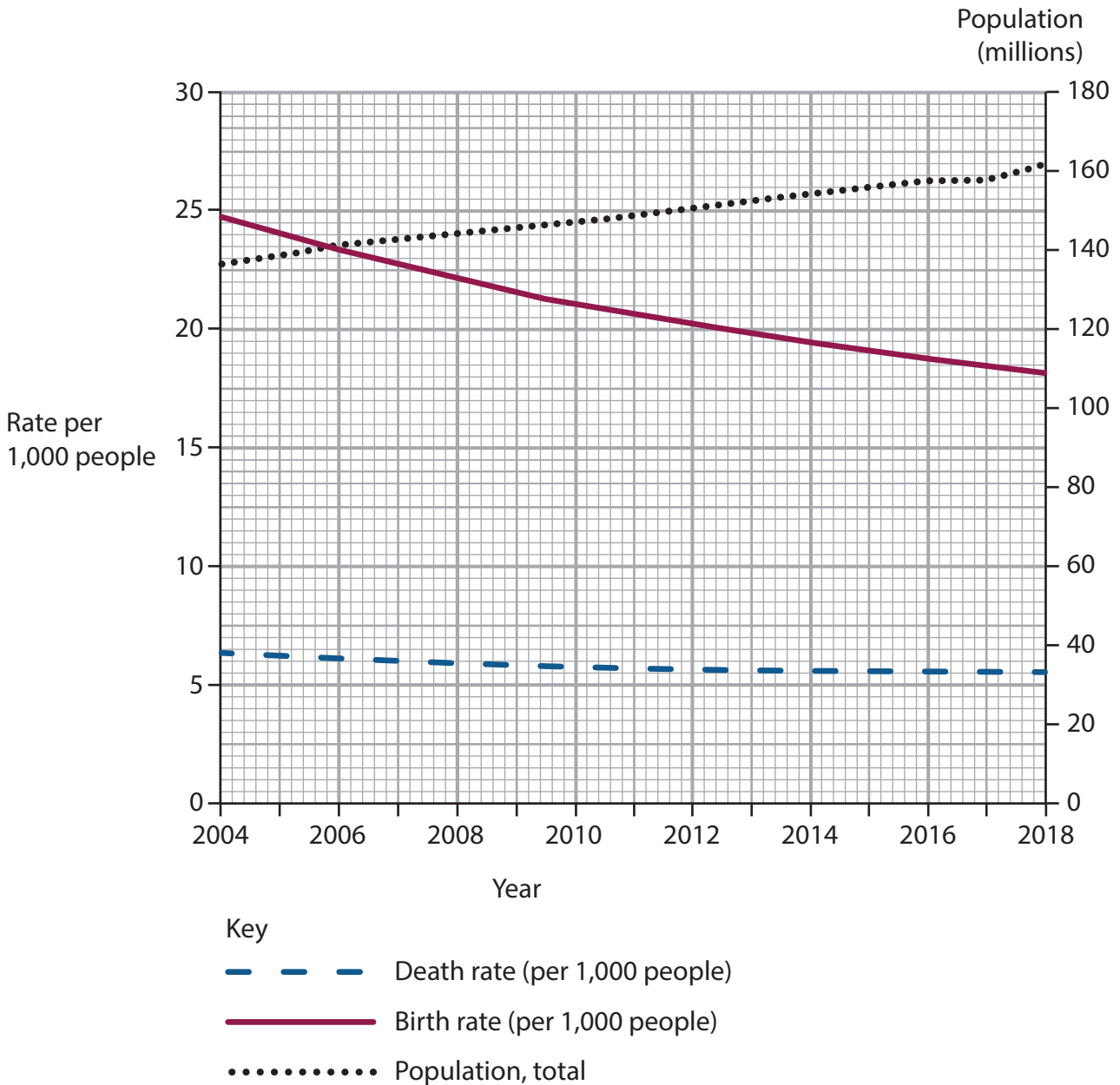**3** (a) Study Figure 5, which shows trends in demographic data for Bangladesh from 2004 to 2018.



Key

‐ ‐ ‐ Death rate (per 1,000 people)

——— Birth rate (per 1,000 people)

•••••••••• Population, total

**Figure 5**

**Demographic data for Bangladesh, 2004–2018**

(i) Identify the birth rate for Bangladesh in 2010.

(1)

| ☒ | **A** 6 per 1,000 people |
| ☒ | **B** 11 per 1,000 people |
| ☒ | **C** 21 per 1,000 people |
| ☒ | **D** 150 per 1,000 people |

(ii) Define the term **natural increase**.

(1)

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(b) State **two** ways of measuring the development of Bangladesh.

(2)

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(c) Explain **one** way the government supports rural communities in Bangladesh.

(3)

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(d) Study Figure 6, which shows the population structure for Bangladesh in 1990 and 2020.

### 1990



Age range

Percentage (%) of population

### 2020



Age range

Percentage (%) of population

Key:  Male    Female
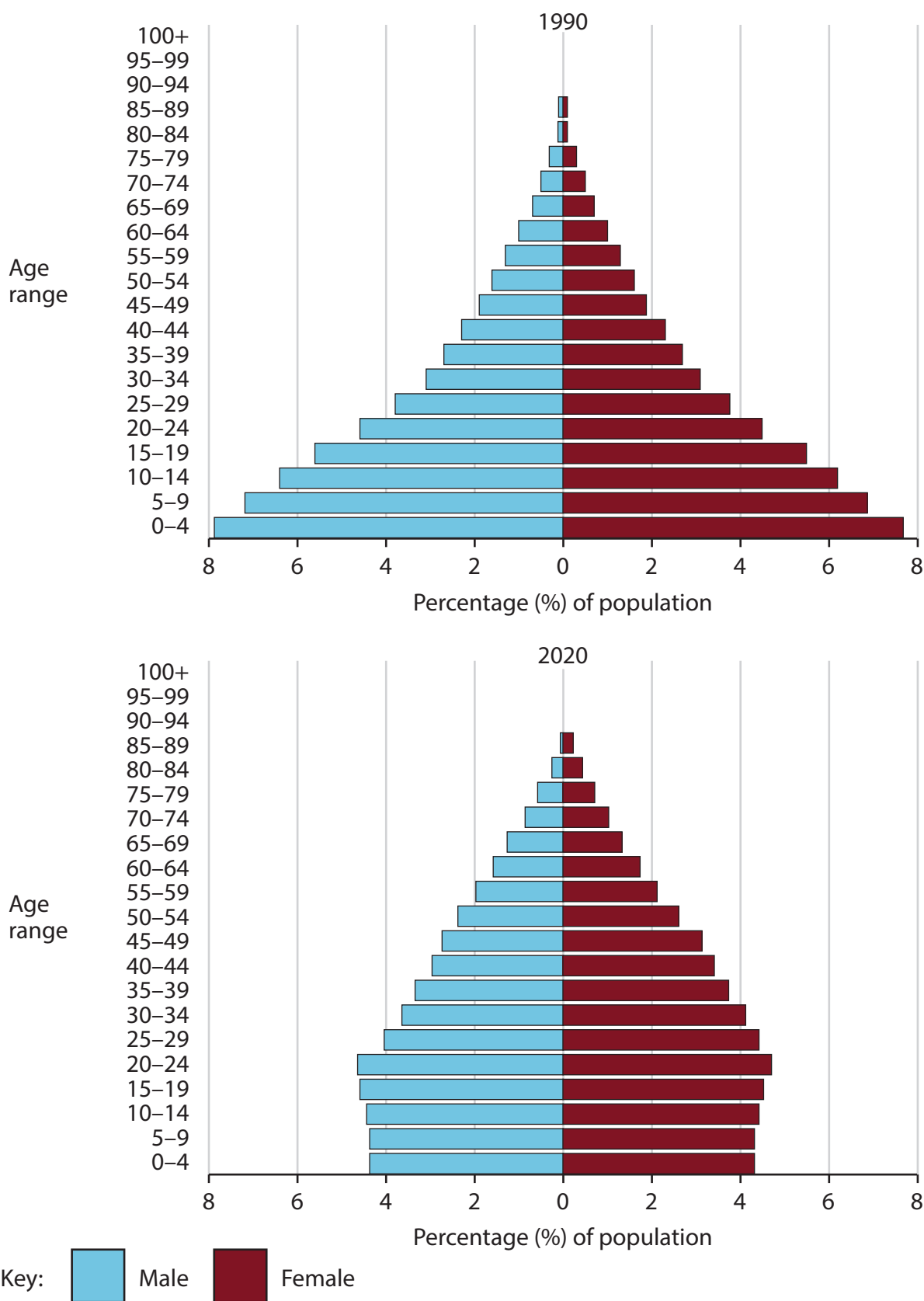
**Figure 6**

**Population structure of Bangladesh in 1990 and 2020**

Suggest **two** reasons for the changes in the population structure of Bangladesh between 1990 and 2020.

(4)

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(e) Explain how human activity in Bangladesh contributes to climate change.

(6)

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(f) Evaluate the success of bottom-up strategies in improving the lives of people living in cities in Bangladesh.

(8)

**(Total for Question 3 = 25 marks)**

**TOTAL FOR SECTION C = 25 MARKS**
**TOTAL FOR PAPER = 75 MARKS**

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