Oxford Cambridge and RSA

Friday 14 June 2024 – Morning

GCSE (9–1) Geography B (Geography for Enquiring Minds)

J384/03 Geographical Exploration

Time allowed: 1 hour 30 minutes

You must have:
- the Resource Booklet (inside this document)

You can use:
- a ruler (cm/mm)
- a scientific or graphical calculator

Please write clearly in black ink. **Do not write in the barcodes.**

Centre number | | | | | | Candidate number | | | | |

First name(s) _____

Last name _____

INSTRUCTIONS
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

INFORMATION
- The total mark for this paper is **60**.
- The marks for each question are shown in brackets **[ ]**.
- Quality of extended response will be assessed in questions marked with an asterisk (*****).
- Spelling, punctuation and grammar (SPaG) and the use of specialist terminology will be assessed in questions marked with a pencil (✎).
- This document has **12** pages.

ADVICE
- Read each question carefully before you start your answer.

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1

(a) Look at **Fig. 1a** and **Fig. 1b** in the Resource Booklet.

(i) Describe the **location** of the Amazon rainforest.

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..... **[2]**

(ii) Compare the location of Manaus with other cities in Brazil.

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..... **[2]**

Deforestation is the permanent and rapid clearance of a forest, usually by the cutting down or burning of trees.

(b) Look at **Fig. 2** in the Resource Booklet.

(i) State how much forest was **lost** in 2008.

..... hectares **[1]**

(ii) Describe the pattern of **deforestation** in the Amazon rainforest between 2002–2020.

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..... **[3]**

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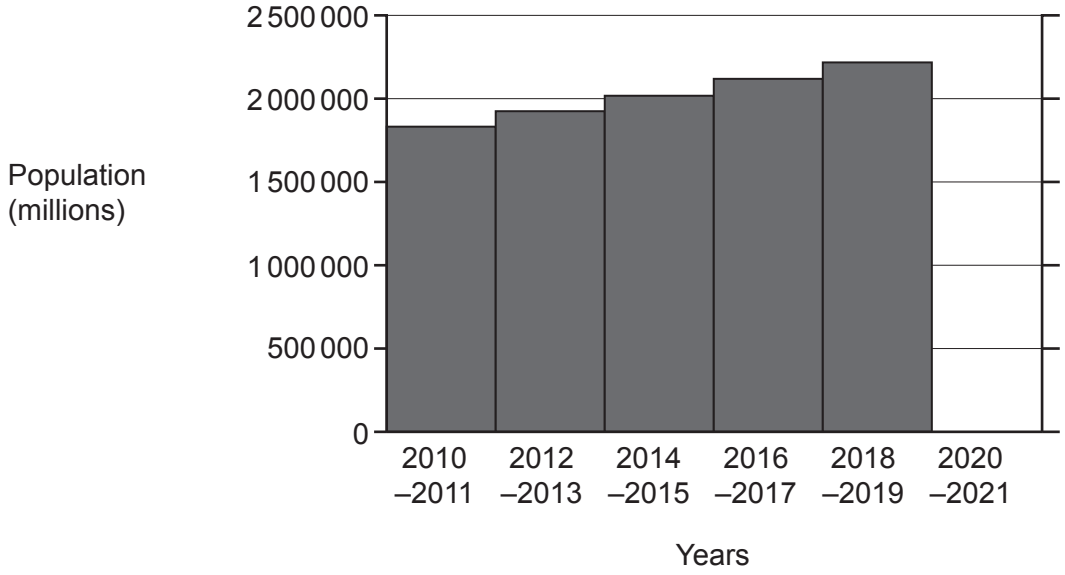
2

(a) Look at the graph below, showing population growth in Manaus, 2010–2021.



(i) **Complete** the graph above for 2020–2021 using the data in the table below. **[1]**

Year	Population (millions)
2020–2021	2.3

(ii) Calculate the **percentage change** in total population between 2010–2011 and 2020–2021.

You **must** show your working.

Answer ..... % **[2]**

(b)

Brazil population: 215 000 000
Manaus population: 2 300 000

Look at the population data above.

(i) Calculate what **proportion** of Brazil's population are living in the city of Manaus.

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

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Look at **Fig. 3** in the Resource Booklet.

(ii) Explain why people may choose to **migrate** to the city of Manaus.

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..... **[3]**

(c) Look at **Fig. 4** in the Resource Booklet.

(i) Give **two** pieces of evidence from the photographs to show the consequences of rapid urban growth.

1 .....

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2 .....

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[2]

(ii) Explain the **impact** on the city of Manaus if migration continues to increase.

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..... **[6]**

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Look at **Fig. 5** in the Resource Booklet.

The Amazon rainforest is a vast natural environment containing a wide variety of resources that humans use.

(d)* Using **Fig. 5**, and your own understanding, assess the value of the Amazon rainforest as a **natural resource** for human use.

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..... **[12]**

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3 Look at **Fig. 6** in the Resource Booklet.

(a) Describe **two** impacts of **deforestation** on the Amazon rainforest ecosystem.

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2 .....

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..... **[4]**

Look at **Fig. 7** in the Resource Booklet.

(b) Explain why flooding is becoming an **increasing risk** to the people that live in Manaus.

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Look at **Fig. 8** in the Resource Booklet.

4* 1. Examine the reasons **why** the President of Brazil wants to develop the Amazon rainforest.

2. Suggest how the **proposed** developments may impact on the city of Manaus.

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Spelling, punctuation and grammar and the use of specialist terminology (✐) **[3]**

END OF QUESTION PAPER

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EXTRA ANSWER SPACE

If you need extra space use these lined pages. You must write the question numbers clearly in the margin.

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