

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



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Please write clearly in black ink. Do not write in the barcodes.								
Centre number						Candidate number		
First name(s)								
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INSTRUCTIONS

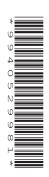
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer all the questions.

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

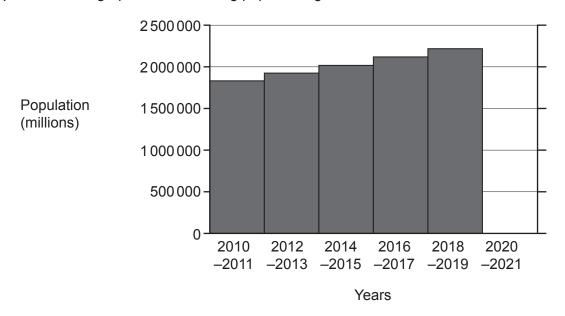
Read each question carefully before you start your answer.



1 (a)	Look at Fig. 1a and Fig. 1b in the Resource Booklet.
(i)	Describe the location of the Amazon rainforest.
	[2]
(ii)	Compare the location of Manaus with other cities in Brazil.
	[2]
Def	orestation is the permanent and rapid clearance of a forest, usually by the cutting down or
	ning 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.
	[3]

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.

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]

[1]

(b)

Brazil population: 215 000 000 Manaus population: 2300 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.	
(c)		
(0)	Look at Fig. 4 in the resource bookiet.	
(i)	Give two pieces of evidence from the photographs to show the consequences of rapid urban growth.	
	1	
	2	
		[2]
(ii)	Explain the impact on the city of Manaus if migration continues to increase.	
		· ····
		[6]

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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3	Look at Fig. 6 in the Resource Booklet.	
(a)	Describe two impacts of deforestation on the Amazon rainforest ecosystem.	
	1	
	2	
		[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.	
		[A]
		. [v]

Look at Fig. 8 in the Resource Booklet.

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

Spelling, punctuation and grammar and the use of specialist terminology (\mathscr{I}) [3]

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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