

# Wednesday 5 June 2024 – Morning

# GCSE (9-1) Geography A (Geographical Themes)

J383/02 The World Around Us

Time allowed: 1 hour

#### 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. <b>Do not write in the barcodes.</b>								
Centre number						Candidate number		
First name(s)								
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## **INSTRUCTIONS**

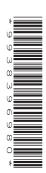
- Use black ink.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- Answer **all** the questions.

## **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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# **Ecosystems of the Planet**

1 (a)	Look at Fig. 1 in the Resource Booklet.	
(i)	Describe how the grasshopper is connected to other animals in the ecosystem.	
		[2]
(ii)	Identify <b>one</b> abiotic component shown in the ecosystem.	
		[1]
(b)	Look at Fig. 2 in the Resource Booklet.	
(i)	Which month has the <b>highest</b> rainfall?	
(ii)	Calculate the temperature <b>range</b> .	[1]
		[1]
(c)	State <b>two</b> features of the climate for a <b>polar ecosystem</b> .	
	1	
	2	
		[2]

(a)	Explain now plants and animals are <b>interdependent</b> in a coral reef.
	[4
(e)*	CASE STUDY
	Sustainable use and management in a tropical rainforest.
	Tropical rainforest you have studied:
	Evaluate the success of sustainable use and management in a tropical rainforest.
	[8]
© (	Turn over

## 4

# **People of the Planet**

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(a) Look at Table 1.

**Table 1. Development indicators for four African countries** 

Country	GNI per capita (\$)	Life Expectancy (years)	Literacy Rate (%)	
Angola	6 600	62	75	
Equatorial Guinea	17 000	67	95	
Mozambique	1200	57	61	
Zambia	3300	65	86	

(i)	Cal	culate the <b>mean</b> GNI per capita.	[1]	
(ii)	Which type of graph would <b>best</b> show the relationship between GNI per capita and Life Expectancy?			
	Α	bar graph		
	В	line graph		
	С	population pyramid		
	D	scatter graph		
	Wri	te the correct letter in the box.	[1]	
(iii)	GN	I per capita is an economic development indicator.		
	Sta	te <b>one</b> other development indicator <b>not</b> shown in <b>Table 1</b> above.	F41	
(iv)	-	plain why Equatorial Guinea is classified as an Emerging and Developing Country (EDC) read of a Low-Income Developing Country (LIDC).	. [1]	
	Use	e data from <b>Table 1</b> in your answer.		
			. [3]	

# (b)\* CASE STUDY

The influence of migration on an LIDC or EDC city
LIDC or EDC city you have studied.
International migration is a greater influence than national migration on the growth and character of an LIDC or EDC city.
To what extent do you agree with this statement?
[12]

Spelling, punctuation and grammar and the use of specialist terminology [3]

6

## **Environmental threats to our Planet**

3 (a) (i)	Wh	ich statement is a <b>correct</b> definition of a drought?	
	Α	a period of time with higher than normal rainfall	
	В	a period of time with higher than normal temperatures	
	С	a period of time with lower than normal rainfall	
	D	a period of time with lower than normal temperatures	
		Write the correct letter in the box.	[1]
(ii)	Loo	ok at <b>Fig. 3</b> in the Resource Booklet.	
	Des	scribe how Fig. 3 shows evidence of a drought.	
			[2]
(iii)	Exp	plain the <b>causes</b> of drought.	
			[3]

(b)	Loc	ok at <b>Fig. 4</b> in the Resource Booklet.	
(i)	Des	scribe briefly the change in the area of permanent sea ice from 1980 to 2020.	
			[1]
(ii)		ggest how the enhanced greenhouse effect could have caused the change in the area of manent sea ice.	
			[3]
(c)	Wh	ich statement is <b>correct</b> about how ice cores show evidence of climate change?	
	Α	colour of the ice	
	В	concentration of gases in air bubbles	
	С	evidence of ice melting	
	D	thickness of the ice	
		Write the correct letter in the box.	[1]
(d)	Exp	plain how volcanic activity is a <b>natural</b> cause of climate change.	

(e)	Discuss the consequences of climate change currently being experienced across the planet.
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**END OF QUESTION PAPER** 

# 9 **EXTRA ANSWER SPACE**

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