OCR
Oxford Cambridge and RSA

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

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.
- 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.

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

(ii) Identify **one** abiotic component shown in the ecosystem.

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

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

(i) Which month has the **highest** rainfall?

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

(ii) Calculate the temperature **range**.

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

(c) State **two** features of the climate for a **polar ecosystem**.

1 .....

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2 .....

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[2]

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(d) Explain how plants and animals are **interdependent** in a coral reef.

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..... **[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.

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..... **[8]**

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2

(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	1 200	57	61
Zambia	3 300	65	86

(i) Calculate the **mean** GNI per capita.

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

(ii) Which type of graph would **best** show the relationship between GNI per capita and Life Expectancy?

A bar graph

B line graph

C population pyramid

D scatter graph

Write the correct letter in the box. ☐ **[1]**

(iii) GNI per capita is an economic development indicator.

State **one** other development indicator **not** shown in **Table 1** above.

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

(iv) Explain why Equatorial Guinea is classified as an Emerging and Developing Country (EDC) instead of a Low-Income Developing Country (LIDC).

Use data from **Table 1** in your answer.

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

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(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?

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

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

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Environmental threats to our Planet

3
(a)
(i) Which statement is a **correct** definition of a drought?

A a period of time with higher than normal rainfall

B a period of time with higher than normal temperatures

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

Describe how **Fig. 3** shows evidence of a drought.

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

(iii) Explain the **causes** of drought.

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

(i) Describe briefly the change in the area of permanent sea ice from 1980 to 2020.

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

(ii) Suggest how the enhanced greenhouse effect could have caused the change in the area of permanent sea ice.

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

(c) Which statement is **correct** about how ice cores show evidence of climate change?

A colour of the ice

B concentration of gases in air bubbles

C evidence of ice melting

D thickness of the ice

Write the correct letter in the box. ☐ **[1]**

(d) Explain how volcanic activity is a **natural** cause of climate change.

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(e) Discuss the consequences of climate change currently being experienced across the planet.

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

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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