



Oxford Cambridge and RSA

Wednesday 24 November 2021 – 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 scientific or graphical calculator
- a ruler (cm/mm)



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.

1 (a) Study **Fig. 1** in the separate Resource Booklet, which shows part of a hot desert ecosystem.

..... [3]

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average monthly temperatures (°C)	26	27	28	28	29	28	28	28	28	27	27	27
Total monthly rainfall (mm)	229	175	196	194	173	173	168	198	180	212	257	258

..... [1]

..... [1]

..... [1]

To what extent is human activity threatening the biodiversity of coral reefs?

..... [12]

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

People of the Planet

2 (a) Which of the following is a correct definition of a world city?

- A a capital city of a country
- B a city considered to be important in the global economic system
- C a city with a population greater than ten million
- D a city with rapid urban growth

Write the correct letter in the box.

[1]

(b) Study **Fig. 2** in the separate Resource Booklet, which shows the Kherwadi area of the city of Mumbai in India.

(i) Using evidence from **Fig. 2**, describe **one** challenge that may affect the city.

.....

.....

.....

..... [2]

(ii) Explain how **two** pull factors cause rapid urbanisation in LIDCs.

1

.....

.....

.....

2

.....

.....

.....

[4]

(c) Study **Fig. 3** in the separate Resource Booklet, which shows global variations in the percentage (%) of population with access to the internet.

(i) Describe the pattern of internet access shown in **Fig. 3**.

.....

.....

.....

.....

.....

..... [3]

(ii) Briefly explain how internet usage shows evidence of economic development.

.....

.....

.....

..... [2]

(iii) Outline how **one** other development indicator can show evidence of uneven development.

.....

.....

.....

..... [2]

(d) Explain reasons for uneven development.

..... [6]

Environmental threats to our Planet

3 (a) Study **Fig. 4** in the separate Resource Booklet, which shows changes in global temperature and carbon dioxide (CO₂) levels since 1000AD.

(i) Which **one** of the following events is associated with the period of time labelled **X** on **Fig. 4**?

A Medieval Warming

B Modern Warming

C The Ice Age

D The Little Ice Age

Write the correct letter in the box.

[1]

(ii) Which of the following is the correct difference between the highest and lowest average global temperatures shown on **Fig. 4**?

A 0.2°C

B 0.5°C

C 0.8°C

D 1.2°C

Write the correct letter in the box.

[1]

(iii) Explain how the enhanced greenhouse effect contributes to global warming.

.....

.....

.....

.....

.....

.....

.....

..... [3]

(b) State **two** natural causes of climate change.

1

.....

2

.....

[2]

(c) Explain why tropical storms only occur over tropical and sub-tropical oceans.

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... [4]

(d)* CASE STUDY – El Niño/La Niña drought event

Drought event studied:

Assess whether the only cause of this drought event was the extreme weather conditions of El Niño/La Niña.

..... [8]

END OF QUESTION PAPER

[illegible]

Oxford Cambridge and RSA

Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of the Cambridge Assessment Group; Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.

© OCR 2021