

**Modified Enlarged 24pt**  
**OXFORD CAMBRIDGE AND RSA EXAMINATIONS**

**Wednesday 3 June 2020 – Morning**

**GCSE (9–1) Geography A (Geographical Themes)**

**J383/02 The World Around Us**

**Time allowed: 1 hour  
plus your additional time allowance**

**YOU MUST HAVE:**

**the Resource Booklet (with this document)**

**YOU CAN USE:**

**a scientific or graphical calculator  
a ruler (cm/mm)**

**Please write clearly in black ink.**

**Centre number**

--	--	--	--	--

**Candidate number**

--	--	--	--

**First name(s)** \_\_\_\_\_

**Last name** \_\_\_\_\_

**READ INSTRUCTIONS OVERLEAF**



# **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 (.**

## **ADVICE**

**Read each question carefully before you start your answer.**

**Answer ALL the questions.**

## **Ecosystems of the Planet**

**1 (a) Study FIG. 1 in the separate Resource Booklet, a climate graph for Barrow in the USA.**

**(i) Use the climate graph, FIG. 1, to complete the data table below: [3]**

<b>Total annual precipitation</b>	<b>113 mm</b>
<b>Highest temperature</b>	
<b>Lowest temperature</b>	<b>−28°C</b>
<b>Temperature range</b>	
<b>Number of months with temperature below 0°C</b>	

**(ii) Name ONE ecosystem, OTHER THAN POLAR REGIONS, which would also have low annual precipitation.**

**\_\_\_\_\_ [1]**

**(iii) Explain why it is difficult for plants to grow in polar ecosystems.**

---

---

---

---

**[2]**

**(b) Explain the water cycle in the tropical rainforest.**

---

---

---

---

---

---

---

---

---

---

**[4]**

**BLANK PAGE**

## **(c)\*CASE STUDY – Coral reef management**

**Name of coral reef studied:**

---

**Evaluate the sustainability of attempts to manage threats to biodiversity in a coral reef. [8]**

---

---

---

---

---

---

---

---

---



---

---

---

---

---

---

---

---

---

---

---

---

## People of the Planet

**2 (a) Study FIG. 2 in the separate Resource Booklet, which shows forecast population growth for selected African cities from 2010 to 2025.**

**(i) Which of the following cities on FIG. 2 shows the greatest forecast population growth? [1]**

**A    Dakar**

**B    Dar es Salaam**

**C    Douala**

**D    Durban**

**Write the correct letter  
in the box.**

**(ii) Which of the following cities on FIG. 2 would be classified as a megacity in 2025? [1]**

**A Abidjan**

**B Addis Ababa**

**C Cairo**

**D Nairobi**

**Write the correct letter  
in the box.**

---

---

---

---

---

---

---

---

---

---

---

[4]

**BLANK PAGE**

## **(b)\*CASE STUDY – LIDC or EDC development**

**LIDC or EDC studied: \_\_\_\_\_**

**Analyse the influence of political  
and social factors on the economic  
development of an LIDC or EDC you  
have studied.**

---

---

---

---

---

---

---

---

---

---

---

**[12]**



## **Environmental threats to our Planet**

- 3 (a) Choose the correct idea from A, B, C, D to complete the following statement:**

**Greenhouse gases cause the enhanced greenhouse effect because they ...**

- A allow heat from the earth to escape into space.**
- B block incoming heat from the sun.**
- C release heat into the atmosphere.**
- D trap heat from the earth in the atmosphere.**

**Write the correct letter in the box.**

**[1]**



**(b) Study FIG. 3 in the separate Resource Booklet, which shows possible flooding in England and Wales linked to a two-metre rise in sea level.**

**(i) Name the region of England on FIG. 3 with the SHORTEST length of coastline at risk of flooding.**

\_\_\_\_\_ **[1]**

**(ii) Calculate the number of properties at risk of flooding in the South East region as a percentage of the total for England.**

**Show your working out. Give your answer as a WHOLE NUMBER.**

\_\_\_\_\_ **% [2]**

**(iii) Suggest how rising sea levels could be a consequence of climate change.**

---

---

---

---

---

---

---

---

---

---

**[3]**

**(iv) OTHER THAN rising sea levels and coastal flooding, state TWO possible consequences of climate change.**

**1** \_\_\_\_\_

\_\_\_\_\_

**2** \_\_\_\_\_

\_\_\_\_\_

**[2]**

**(c) Study FIG. 4 in the separate Resource Booklet, showing evidence of climate change.**

**(i) Evaluate the reliability of FIG. 4 as evidence of climate change over time.**

---

---

---

---

---

---

---

---

---

---

---

---

**[4]**

**(ii) Explain how ONE source of evidence, other than a painting such as FIG. 4, is used to study climate change.**

---

---

---

---

**[2]**

**(d) Explain the causes of the extreme weather conditions linked to tropical storms. [6]**

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

**END OF QUESTION PAPER**

**ADDITIONAL ANSWER SPACE**

**If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).**






[illegible]

[illegible]




## 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](http://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.