



Oxford Cambridge and RSA

Tuesday 13 October 2020 – Afternoon

AS Level Geography

H081/02 Geographical debates

Time allowed: 1 hour 30 minutes



You must have:

- the OCR 12-page Answer Booklet
- the Resource Booklet (inside this document)

You can use:

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

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the Answer Booklet. The question numbers must be clearly shown.
- Fill in the boxes on the front of the Answer Booklet.
- Section A: Choose **one** topic. Answer **all** the parts of the question for the topic.
- Section B: Choose **one** topic. Answer **all** the parts of the question for the topic.
- Section C: Choose **one** topic. Answer **one** question from the topic.
- Use the Resource Booklet to answer the questions in Sections A and B.

INFORMATION

- The total mark for this paper is **68**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **8** pages.

ADVICE

- Try to answer every part of each question you choose.
- Read each question carefully before you start your answer.

SECTION A

Choose **one** topic. Answer **all** the parts of the question for the topic.

Topic 2.1 Climate Change

1 (a) Explain **two** ways in which continental drift has influenced past climates. [4]

(b) Examine the role of international organisations in response to climate change. [6]

(c) Study **Fig. 1**, which shows the Columbia Glacier in Alaska in 2009 and 2015.

(i) Using evidence from **Fig. 1**, identify evidence that indicates climate change between 2009 and 2015. [4]

(ii) Using evidence from **Fig. 1**, analyse reasons for differences between the two photographs. [6]

(d) 'The influence of positive feedback makes predicting climate change difficult.' To what extent do you agree? [12]

Topic 2.2 Disease Dilemmas

2 (a) Explain **two** ways in which relief of land can affect the spread of diseases. [4]

(b) Examine the role of global organisations in providing international strategies to combat disease. [6]

(c) Study **Fig. 2**, which shows two photographs of healthcare challenges in LIDCs.

(i) Using evidence from **Fig. 2**, identify evidence of healthcare challenges faced by government hospitals in LIDCs. [4]

(ii) Using evidence from **Fig. 2**, analyse reasons why grassroots strategies play a vital role in combating disease risk. [6]

(d) 'Disease epidemics pose the greatest health problem in developing countries.' To what extent do you agree? [12]

Topic 2.3 Exploring Oceans

3 (a) Explain **two** ways in which ocean basins can change in size over time. [4]

(b) Examine the use of international frameworks in the management of ocean resources. [6]

(c) Study **Fig. 3**, which shows part of the Great Barrier Reef, Australia, in 2009 and 2010.

(i) Using evidence from **Fig. 3**, identify evidence of change in this coral reef between 2009 and 2010. [4]

(ii) Using evidence from **Fig. 3**, analyse reasons for differences identified in (c)(i). [6]

(d) 'Piracy poses the greatest political challenge to the use of oceans in the 21st century.' To what extent do you agree? [12]

Topic 2.4 Future of Food

4 (a) Explain **two** ways in which soil characteristics can affect food security. [4]

(b) Examine the role of food retailers in influencing the global food system. [6]

(c) Study **Fig. 4**, which shows a fenced area of the Karoo Desert in South Africa.

(i) Using evidence from **Fig. 4**, identify differences in the vegetation either side of the fence. [4]

(ii) Using evidence from **Fig. 4**, analyse reasons for the differences identified in (c)(i). [6]

(d) 'Food aid is the least effective method for tackling food insecurity.' To what extent do you agree? [12]

Topic 2.5 Hazardous Earth

5 (a) Explain **two** causes of volcanic activity at hot spots. [4]

(b) Examine how and why the frequency of tectonic hazards globally has changed over time. [6]

(c) Study **Fig. 5**, which shows the town of Amatrice in central Italy before and after the 2016 earthquake.

(i) Using evidence from **Fig. 5**, identify evidence of the impact of the 2016 earthquake. [4]

(ii) Using evidence from **Fig. 5**, analyse strategies that could be used to manage hazards from earthquakes in Advanced Countries. [6]

(d) 'Tsunamis are the most damaging hazard generated by earthquakes.' To what extent do you agree? [12]

SECTION B – Synoptic questions

Choose **one** topic. Answer **all** the parts of the question for the topic. You must use your knowledge and understanding from across the course of study to answer these questions.

Topic 2.1 Climate Change

6 (a) With reference to **Fig. 6**, suggest how rising sea level might influence placemaking. [8]

(b) Examine how increases in global mean temperatures can influence weathering processes within **one** landscape system that you have studied. [8]

Topic 2.2 Disease Dilemmas

7 (a) With reference to **Fig. 7**, suggest how opportunities for disease mitigation can be influenced by the rebranding of a place. [8]

(b) Examine how relocation diffusion of diseases could be influenced by human activities in **one** landscape system that you have studied. [8]

Topic 2.3 Exploring Oceans

8 (a) With reference to **Fig. 8**, suggest how high levels of biodiversity in inter-tidal ecosystems can influence socio-economic place characteristics. [8]

(b) Examine how far the impacts of climate change are the same for an island community and **one** landscape system that you have studied. [8]

Topic 2.4 Future of Food

9 (a) With reference to **Fig. 9**, suggest how **two** strategies to improve food security could affect socio-economic place characteristics in developing countries. [8]

(b) Examine how the globalisation of the food industry impacts on human activities in **one** landscape system that you have studied. [8]

Topic 2.5 Hazardous Earth

10 (a) With reference to **Fig. 10**, suggest how earthquake damage and social inequality are linked. [8]

(b) Examine how far people's choice of where to live is influenced by the same factors for volcanically active regions and **one** landscape system that you have studied. [8]

SECTION C

Choose **one** topic. Answer **one** question from the topic.

Topic 2.1 Climate Change

11* To what extent has the global balance of anthropogenic emissions of greenhouse gases changed in recent history? **[20]**

Or

12* Examine the extent to which different stages of economic development affect socio-economic and environmental impacts of climate change. **[20]**

Topic 2.2 Disease Dilemmas

13* 'At a national scale the socio-economic impacts of a communicable disease are more significant than they are for a non-communicable disease.' Discuss. **[20]**

Or

14* 'Use of medicines from nature continues to be an essential part of disease mitigation.' How far do you agree with this statement? **[20]**

Topic 2.3 Exploring Oceans

15* 'The opportunities arising from the use of ocean resources greatly outweigh the threats.' How far do you agree with this statement? **[20]**

Or

16* 'Plastic is the most problematic ocean pollutant of the 21st century.' Discuss. **[20]**

Topic 2.4 Future of Food

17* Examine the view that extreme weather events caused by climate change have the greatest impact on food security. **[20]**

Or

18* 'The role and responsibilities of agribusinesses have had a positive influence on the global food system.' How far do you agree with this statement? **[20]**

Topic 2.5 Hazardous Earth

19* Examine the view that information collected from the sea floor provides compelling evidence for continental drift. **[20]**

Or

20* 'Effective management of volcanic eruptions prevents disasters.' To what extent do you agree with this statement? **[20]**

END OF QUESTION PAPER



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.