



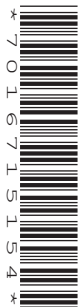
Oxford Cambridge and RSA

## A Level Geography

H481/03 Geographical debates

**Thursday 14 June 2018 – Afternoon**

**Time allowed: 2 hours 30 minutes**



**You must have:**

- the Resource Booklet (inserted)
- the OCR 12-page Answer Booklet (OCR12 sent with general stationery)

**You may use:**

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

### INSTRUCTIONS

- The Resource Booklet will be found inside this document.
- Use black ink. You may use an HB pencil for graphs and diagrams.
- Section A: Choose **two topics** and answer **both parts** of the question from **each** topic.
- Section B – Synoptic questions: Choose **two topics** and answer **the** question from **each** selected topic. You must use your knowledge and understanding from across the course of study to answer these questions.
- Section C: Choose **two topics** and answer **one** question from **each** topic.
- Write your answer to each question in the Answer Booklet.
- Additional paper may be used if required but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the barcodes.

### INFORMATION

- The total mark for this paper is **108**.
- The marks for each question are shown in brackets [ ].
- Quality of extended responses will be assessed in questions marked with an asterisk (\*).
- This document consists of **8** pages.

**Section A**

Choose **two topics** and answer **both parts** of the question from **each** topic.

**Topic 3.1 – Climate Change**

- 1 (a) Identify three limitations of **Fig. 1** in showing the relationship between Gross Domestic Product (GDP) per person and total CO<sub>2</sub> emissions for selected countries. [3]
- (b) Explain two ways that natural forcing has driven climate change in the geological past. [6]

**Topic 3.2 – Disease Dilemmas**

- 2 (a) Identify three limitations of **Fig. 2** in showing the number of deaths from cholera in 2004. [3]
- (b) Explain how disease diffusion can take place. [6]

**Topic 3.3 – Exploring Oceans**

- 3 (a) Identify three limitations of **Fig. 3** as a source of information about humpback whale populations. [3]
- (b) Explain variations in nutrient supply within oceans. [6]

**Topic 3.4 – Future of Food**

- 4 (a) Identify three limitations of **Fig. 4** as a source of information about the impact of food production on physical environments. [3]
- (b) Explain the theoretical views of food security offered by Malthus and Boserup. [6]

**Topic 3.5 – Hazardous Earth**

- 5 (a) Identify three limitations of **Fig. 5** as a source of information about impacts of earthquakes on people. [3]
- (b) Explain the features of explosive volcanic eruptions. [6]

**Section B – Synoptic questions**

Choose **two topics** and answer **the** question from **each** topic. You must use your knowledge and understanding from across the course of study to answer these questions.

**Topic 3.1 – Climate Change**

- 6 Examine how climate change can affect weathering and erosion processes within any **one** landscape system you have studied. [12]

**Topic 3.2 – Disease Dilemmas**

- 7 Examine how disease risks can impact place profiles. [12]

**Topic 3.3 – Exploring Oceans**

- 8 Assess ways in which ocean processes influence the carbon cycle. [12]

**Topic 3.4 – Future of Food**

- 9 Assess how food security can be affected by issues of **either** human rights **or** territorial integrity. [12]

**Topic 3.5 – Hazardous Earth**

- 10 Assess how tectonic hazards impact **either** global trade **or** global migration. [12]

**Section C**

Choose **two topics** and answer **one** question from **each** topic.

**Topic 3.1 – Climate Change**

**11\*** To what extent is the debate over climate change influenced by a variety of agendas? [33]

**Or**

**12\*** 'A country's decisions on mitigation strategies to cope with climate change are mainly influenced by economic factors.' How far do you agree with this statement? [33]

**Topic 3.2 – Disease Dilemmas**

**13\*** 'Physical factors will determine the future global pattern of disease prevalence.' Discuss. [33]

**Or**

**14\*** Assess the view that grass roots strategies are the most effective ways of dealing with disease risk and eradication. [33]

**Topic 3.3 – Exploring Oceans**

**15\*** 'Economic factors account for rising levels of oceanic pollution.' Discuss. [33]

**Or**

**16\*** To what extent does the successful management of oceanic resources require international cooperation? [33]

**Topic 3.4 – Future of Food**

**17\*** Examine the extent to which globalisation impacts on the food industry. [33]

**Or**

**18\*** Evaluate the effectiveness and sustainability of techniques used to improve food security. [33]

**Topic 3.5 – Hazardous Earth**

**19\*** Assess the extent to which the decision to live in tectonically active locations is determined by economic factors.

**[33]**

**Or**

**20\*** To what extent is it possible to manage hazards arising from earthquakes?

**[33]**

**END OF QUESTION PAPER**

**BLANK PAGE**

**BLANK PAGE**



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](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 Copyright Team, First Floor, 9 Hills Road, Cambridge CB2 1GE.

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.