



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**





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