



Oxford Cambridge and RSA

# Tuesday 20 October 2020 – Morning

## A Level Geography

### H481/03 Geographical debates

Time allowed: 2 hours 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 **two** topics. Answer **both parts** of the question from **each** topic.
- Section B: Choose **two** topics. Answer the question from **each** topic.
- Section C: Choose **two** topics. Answer **one** question from **each** topic.
- Use the Resource Booklet to answer the questions in Section A.

### INFORMATION

- The total mark for this paper is **108**.
- 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 **two topics**. Answer **both parts** of the question from **each** topic.

**Topic 3.1 – Climate Change**

- 1 (a) Identify **three** limitations of **Fig. 1** as a source of information about shrinking ice as a result of climate change. [3]
- (b) Explain the role and possible bias of the media in shaping the public image of climate change. [6]

**Topic 3.2 – Disease Dilemmas**

- 2 (a) Identify **three** limitations of **Fig. 2** as a source of information about survival rates for common cancers in the UK. [3]
- (b) Explain cultural causes of non-communicable diseases. [6]

**Topic 3.3 – Exploring Oceans**

- 3 (a) Identify **three** limitations of **Fig. 3** as a source of information about the world's oceans. [3]
- (b) Explain factors that influence the biodiversity in inter-tidal ecosystems. [6]

**Topic 3.4 – Future of Food**

- 4 (a) Identify **three** limitations of **Fig. 4** as a source of information about the predicted impact of climate change on world food prices since 2010. [3]
- (b) Explain how globalisation creates the issue of food miles. [6]

**Topic 3.5 – Hazardous Earth**

- 5 (a) Identify **three** limitations of **Fig. 5** as a source of information about mitigation against vulnerability to hazards from earthquakes. [3]
- (b) Explain the features of shallow-focus earthquakes. [6]

**Section B – Synoptic questions**

Choose **two topics**. 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 Assess how responses to climate change are affected by issues of **either** human rights or territorial integrity. [12]

**Topic 3.2 – Disease Dilemmas**

- 7 Assess how the global distribution of communicable disease is affected by **either** global trade or global migration. [12]

**Topic 3.3 – Exploring Oceans**

- 8 Assess how pollution in oceans is influenced by players driving economic change. [12]

**Topic 3.4 – Future of Food**

- 9 Assess how attempts to increase food production can affect water cycles. [12]

**Topic 3.5 – Hazardous Earth**

- 10 Assess how impacts of volcanic eruptions can affect place identity. [12]

**Section C**

Choose **two topics**. Answer **one** question from **each** topic.

**Topic 3.1 – Climate Change**

**11\*** 'Changes in anthropogenic greenhouse gas emissions since the pre-industrial era reflect economic development at a national scale.' Discuss. **[33]**

Or

**12\*** Assess the success of adaptation strategies to reduce the vulnerability of human populations at risk from climate change. **[33]**

**Topic 3.2 – Disease Dilemmas**

**13\*** Evaluate the extent to which mitigation strategies can successfully reduce the outbreak and impacts of non-communicable disease. **[33]**

Or

**14\*** 'Disease eradication depends on the sustainable use of medicines from nature.' To what extent do you agree? **[33]**

**Topic 3.3 – Exploring Oceans**

**15\*** To what extent are oceans hazardous obstacles to human activities? **[33]**

Or

**16\*** Examine the extent to which the use of ocean energy and mineral resources is sustainable. **[33]**

**Topic 3.4 – Future of Food**

**17\*** Examine the extent to which food is a geopolitical commodity. **[33]**

Or

**18\*** To what extent are the views of Malthus and Boserup relevant to food security in the 21st century? **[33]**

**Topic 3.5 – Hazardous Earth**

**19\*** 'The impacts of earthquake activity vary with levels of economic development.' How far do you agree with this statement? **[33]**

**Or**

**20\*** 'Over time the ability to manage hazards from volcanic activity increases.' Examine the extent to which this statement is true. **[33]**

**END OF QUESTION PAPER**

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