



Oxford Cambridge and RSA

**Monday 12 June 2023 – Afternoon**

**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** and 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 the global energy balance. [3]
- (b) Explain how increasing atmospheric water vapour influences the climate system. [6]

**Topic 3.2 – Disease Dilemmas**

- 2 (a) Identify **three** limitations of **Fig. 2** as a source of information about the percentage of deaths caused by air pollution in South and East Asia, 2017. [3]
- (b) Explain the socio-economic impacts of a non-communicable disease. [6]

**Topic 3.3 – Exploring Oceans**

- 3 (a) Identify **three** limitations of **Fig. 3** as a source of information about the relief of the Indian Ocean Basin. [3]
- (b) Explain the pattern of circulation in the North Atlantic Ocean. [6]

**Topic 3.4 – Future of Food**

- 4 (a) Identify **three** limitations of **Fig. 4** as a source of information about types of soil. [3]
- (b) Explain why geographical pinchpoints exist in the food supply chain. [6]

**Topic 3.5 – Hazardous Earth**

- 5 (a) Identify **three** limitations of **Fig. 5** as a source of information about the global economic cost of natural disasters. [3]
- (b) Explain how fossil record evidence supports the theory of continental drift. [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 may influence human activity in **one** landscape system. [12]

**Topic 3.2 – Disease Dilemmas**

- 7 Examine how patterns of disease may be influenced by placemaking. [12]

**Topic 3.3 – Exploring Oceans**

- 8 Examine how alterations to the oceans caused by climate change affect the water cycle. [12]

**Topic 3.4 – Future of Food**

- 9 Examine how risks to food security may influence patterns of social inequality in places. [12]

**Topic 3.5 – Hazardous Earth**

- 10 Examine how the risks from tectonic hazards can alter patterns of **either** international trade **or** global migration. [12]

**Section C**

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

**Topic 3.1 – Climate Change**

**11\*** 'Adaptation is the most effective way humans can respond to climate change.'  
Discuss. [33]

Or

**12\*** 'Political organisations have the most influence in shaping the climate change debate.'  
Discuss. [33]

**Topic 3.2 – Disease Dilemmas**

**13\*** 'Human factors are most influential in affecting the spread of disease.'  
To what extent do you agree? [33]

Or

**14\*** 'Strategies that deal with disease risk and eradication, at a local scale, are more effective than at any other scale.'  
To what extent do you agree? [33]

**Topic 3.3 – Exploring Oceans**

**15\*** 'It is only possible to use ocean resources successfully with political involvement.'  
Discuss. [33]

Or

**16\*** 'It is more important to prevent ocean pollution than to protect human economic activities.'  
Discuss. [33]

**Topic 3.4 – Future of Food**

**17\*** 'The future of food depends upon key players and strategies.'  
To what extent do you agree? [33]

Or

**18\*** To what extent is the global food system vulnerable to shocks? [33]

**Topic 3.5 – Hazardous Earth**

**19\*** 'Earthquake activity has a greater impact on landscapes than volcanic activity.'  
Discuss. [33]

**Or**

**20\*** 'Levels of economic development determine the impacts people experience from volcanic eruptions.'  
Discuss. [33]

**END OF QUESTION PAPER**

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