



Oxford Cambridge and RSA

**Friday 17 June 2022 – 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 predicted global surface temperatures. [3]
- (b) Explain the vulnerability of **one** type of natural environment to the impacts of climate change. [6]

**Topic 3.2 – Disease Dilemmas**

- 2 (a) Identify **three** limitations of **Fig. 2** as a source of information about reported outbreaks of communicable diseases. [3]
- (b) Explain the impacts of **one** named disease on resident populations in a country which has experienced a natural hazard. [6]

**Topic 3.3 – Exploring Oceans**

- 3 (a) Identify **three** limitations of **Fig. 3** as a source of information about coral bleaching. [3]
- (b) Explain how acidification of oceans contributes to depleting fish stocks. [6]

**Topic 3.4 – Future of Food**

- 4 (a) Identify **three** limitations of **Fig. 4** as a source of information about food security risks in a dryland area. [3]
- (b) Explain the physical conditions of an extreme environment where there is indigenous farming. [6]

**Topic 3.5 – Hazardous Earth**

- 5 (a) Identify **three** limitations of **Fig. 5** as a source of information about volcanic eruptions. [3]
- (b) Explain the Park model of disaster-response. [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 the balance of anthropogenic emissions around the world has been changed by **EITHER** international trade **OR** global migration. [12]

**Topic 3.2 – Disease Dilemmas**

- 7 Examine how disease diffusion is affected by physical factors in any **one** landscape system. [12]

**Topic 3.3 – Exploring Oceans**

- 8 Examine how the accumulation of plastic in oceans influences representations of place. [12]

**Topic 3.4 – Future of Food**

- 9 Examine how strategies to increase food security can be affected by issues of **EITHER** human rights **OR** territorial integrity. [12]

**Topic 3.5 – Hazardous Earth**

- 10 Examine how volcanic eruptions influence the carbon cycle. [12]

**Section C**

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

**Topic 3.1 – Climate Change**

**11\*** 'International responses to climate change will never work.'  
Discuss. [33]

**Or**

**12\*** Assess the success of mitigation strategies to cut global emissions of greenhouse gases. [33]

**Topic 3.2 – Disease Dilemmas**

**13\*** To what extent can LIDCs or EDCs successfully mitigate against and respond to outbreaks of a communicable disease? [33]

**Or**

**14\*** 'There is a link between disease and levels of economic development.'  
Discuss. [33]

**Topic 3.3 – Exploring Oceans**

**15\*** 'The oceans are vital to globalisation.'  
To what extent do you agree with this statement? [33]

**Or**

**16\*** 'The opportunities arising from the use of ocean resources are greater than the threats.'  
Discuss. [33]

**Topic 3.4 – Future of Food**

**17\*** 'Economic factors are the main cause of spatial variation in global food security.'  
Discuss. [33]

**Or**

**18\*** To what extent is globalisation changing the food industry? [33]

**Topic 3.5 – Hazardous Earth**

**19\*** 'The most effective strategy to manage tectonic hazards is to mitigate against vulnerability.'  
To what extent do you agree with this statement? **[33]**

**Or**

**20\*** 'The hazards generated by earthquakes have greater impact on people than those from volcanic eruptions.'  
Discuss. **[33]**

**END OF QUESTION PAPER**





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