



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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