

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

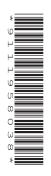
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the Answer Booklet. The question numbers must be clearly shown.
- · Fill in the boxes on the front of the Answer Booklet.
- Section A: Choose **two** topics. Answer **both parts** of the 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.

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 communicable disease?	fa [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.

END OF QUESTION PAPER

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