

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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