

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]**

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