



Oxford Cambridge and RSA

Thursday 13 June 2019 – Afternoon

A Level Geography

H481/03 Geographical debates

Time allowed: 2 hours 30 minutes



You must have:

- the Resource Booklet (inserted)
- the OCR 12-page Answer Booklet (OCR12 sent with general stationery)

You may use:

- a ruler (cm/mm)
- a scientific and graphical calculator

INSTRUCTIONS

- The Resource Booklet will be found inside this document.
- Use black ink. You may use an HB pencil for graphs and diagrams.
- Section A: Choose **two topics** and answer **both parts** of the question from **each** topic.
- Section B – Synoptic questions: Choose **two topics** and answer **the** question from **each** selected topic. You must use your knowledge and understanding from across the course of study to answer these questions.
- Section C: Choose **two topics** and answer **one** question from **each** topic.
- Write your answer to each question in the Answer Booklet.
- Additional paper may be used if required but you must clearly show your candidate number, centre number and question number(s).

INFORMATION

- The total mark for this paper is **108**.
- The marks for each question are shown in brackets [].
- Quality of extended responses will be assessed in questions marked with an asterisk (*).
- This document consists of **8** pages.

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 greenhouse and icehouse conditions. [3]
- (b) Explain methods used to reconstruct past climate. [6]

Topic 3.2 – Disease Dilemmas

- 2 (a) Identify three limitations of **Fig. 2** as a source of information about direct strategies to mitigate against an epidemic of a contagious disease. [3]
- (b) Explain the role of an international organisation in providing global strategies to combat disease. [6]

Topic 3.3 – Exploring Oceans

- 3 (a) Identify three limitations of **Fig. 3** as a source of information about radioactive pollution. [3]
- (b) Explain horizontal and vertical variations in temperature in the world's oceans. [6]

Topic 3.4 – Future of Food

- 4 (a) Identify three limitations of **Fig. 4** as a source of information about food security in Somalia. [3]
- (b) Explain how feeding the world is a complex system. [6]

Topic 3.5 – Hazardous Earth

- 5 (a) Identify three limitations of **Fig. 5** as a source of information about earthquakes occurring in Iran. [3]
- (b) Explain the evidence for sea-floor spreading. [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 impacts of climate change can affect informal representations of place. [12]

Topic 3.2 – Disease Dilemmas

- 7 Assess how patterns of diseases are influenced by changes in **one** landscape system you have studied. [12]

Topic 3.3 – Exploring Oceans

- 8 Assess how the use of oceans is affected by issues of global governance in relation to **either** human rights **or** territorial integrity. [12]

Topic 3.4 – Future of Food

- 9 Examine how changes in the global food system have been influenced by time-space compression. [12]

Topic 3.5 – Hazardous Earth

- 10 Examine how impacts of seismic activity are severely worsened by the water cycle. [12]

Section C

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

Topic 3.1 – Climate Change

- 11*** 'Predicting what the future will hold for the carbon cycle is essential when responding to climate change'. Discuss. [33]

Or

- 12*** To what extent are national and sub-national policies more effective than international responses to climate change? [33]

Topic 3.2 – Disease Dilemmas

- 13*** To what extent are the socio-economic impacts of a communicable disease more severe than the socio-economic impacts of a non-communicable disease? [33]

Or

- 14*** Assess the success of mitigation strategies to combat global pandemics. [33]

Topic 3.3 – Exploring Oceans

- 15*** 'Adaptations by island communities to the impacts of rising sea levels can be successful.' How far do you agree with this statement? [33]

Or

- 16*** Examine the extent to which oil spills are more damaging to the ocean than the accumulation of plastic? [33]

Topic 3.4 – Future of Food

- 17*** Assess the view that natural shocks are the biggest threat to global food security. [33]

Or

- 18*** To what extent can long-term food security be achieved through local and national initiatives? [33]

Topic 3.5 – Hazardous Earth

19* 'Location is a significant factor in determining the severity of the impacts of an active volcano'. Discuss. [33]

Or

20* How far do you agree that an advanced level of economic development is essential for successful mitigation of volcanic hazards? [33]

END OF QUESTION PAPER

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