

# Thursday 13 June 2019 – Afternoon

# A Level Geography

H481/03 Geographical debates

Time allowed: 2 hours 30 minutes



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

#### You may use:

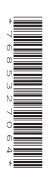
- a ruler (cm/mm)
- · a scientific and graphical calculator

#### **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**

- (a) Identify three limitations of Fig. 1 as a source of information about greenhouse and icehouse conditions.
  - **(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.

#### **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.

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]

[33]

Or

**14\*** Assess the success of mitigation strategies to combat global pandemics.

#### **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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