**Please check the examination details below before entering your candidate information**

Candidate surname                          Other names

Centre Number                Candidate Number

**Pearson Edexcel International Advanced Level**

**Monday 8 May 2023**

Afternoon (Time: 1 hour 45 minutes)     **Paper reference WGE01/01**

**Geography**
**International Advanced Subsidiary**
**UNIT 1: Global Challenges**

**You must have:**
Resource Booklet (enclosed)

Total Marks

## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name,
  centre number and candidate number.
- Answer **all** questions in Section A. Answer **either** Question 5 **or** Question 6 in
  Section B.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*

## Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets
  – *use this as a guide as to how much time to spend on each question.*
- Calculators may be used.

## Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ▶

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**SECTION A**

**You must use the Resource Booklet.**

**Answer ALL questions in this section. Write your answers in the spaces provided.**

**Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**

**1** (a) Study Figure 1 in the Resource Booklet.

(i) Define the term 'hazard hotspot'.

**(1)**

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(ii) Explain **one** reason why the Philippines is affected by tropical cyclones.

**(2)**

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(iii) Suggest **one** reason why the Philippines experiences high economic losses from volcanic eruptions.

**(2)**

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(b) Explain why earthquakes occur at convergent plate boundaries.

(4)

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(c) Explain why regional droughts can have unusually large human and economic impacts.

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**(Total for Question 1 = 15 marks)**

**2** Study Figure 2 in the Resource Booklet.

(a) (i) What is the projected global surface temperature for the high growth emission projection by 2100?

(1)

☒ **A** 1.8 degrees

☒ **B** 3.6 degrees

☒ **C** 4.0 degrees

☒ **D** 2.8 degrees

(ii) Describe the trends in global surface warming for the medium emission projection from 2000 to 2100.

(2)

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(iii) Suggest **one** reason why there are different temperature projections for 2100.

(2)

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(b) Explain **two** ways that farming could adapt to the impacts of future global warming.

(4)

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(c) Explain why sea level rise caused by global warming is a major risk in some locations.

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**(Total for Question 2 = 15 marks)**

**3** Study Figure 3 in the Resource Booklet.

(a) (i) Describe the distribution of global submarine fibre optic cables.

(3)

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(ii) Suggest **one** way fibre optic cables have contributed to time-space compression.

(2)

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(b) Explain **two** problems caused by deindustrialisation for developed countries.

(4)

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(c) Explain why global hubs benefit the most from globalisation.

(6)

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**(Total for Question 3 = 15 marks)**

**4** (a) Study Figure 4 in the Resource Booklet.

(i) Which continent has the highest percentage of working age population?

(1)

⊠ **A** Europe

⊠ **B** North America

⊠ **C** Africa

⊠ **D** Oceania

(ii) Explain **two** challenges for countries that have an ageing population.

(4)

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(b) Explain the differences between the theories of Malthus and Boserup.

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(c) Explain the demographic and economic causes of megacity growth.

(6)

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**(Total for Question 4 = 15 marks)**

**TOTAL FOR SECTION A = 60 MARKS**

**SECTION B**

**Answer ONE question in this section – EITHER Question 5 OR Question 6.**

**Use the evidence provided in the Resource Booklet, your own ideas and examples.**

**If you answer Question 5, put a cross in the box ☒ .**

**5** Study Figure 5 in the Resource Booklet.

(a) Suggest reasons for the changes in atmospheric greenhouse gas concentrations shown.

**(10)**

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P 7 2 5 7 6 A 0 1 1 2 0

(b) To what extent can preparation and prediction reduce the impacts of natural disasters?

(20)

P 7 2 5 7 6 A 0 1 2 2 0

P 7 2 5 7 6 A 0 1 3 2 0

**(Total for Question 5 = 30 marks)**

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**Do not answer Question 6 if you have answered Question 5.**

**If you answer Question 6, put a cross in the box ☒ .**

**6** Study Figure 6 in the Resource Booklet.

(a) Suggest reasons for the distributions of international migrants shown.

**(10)**

P 7 2 5 7 6 A 0 1 5 2 0

*Turn over* ▶

P 7 2 5 7 6 A 0 1 6 2 0

(b) Assess the extent to which national governments are the most important players in promoting globalisation.

(20)

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**(Total for Question 6 = 30 marks)**

**TOTAL FOR SECTION B = 30 MARKS**
**TOTAL FOR PAPER = 90 MARKS**

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**Pearson Edexcel International Advanced Level**

**Monday 8 May 2023**

Afternoon (Time: 1 hour 45 minutes)

**Paper reference** **WGE01/01**

# Geography
**International Advanced Subsidiary**
**UNIT 1: Global Challenges**

**Resource Booklet**
**Do not return this Booklet with the question paper.**

Turn over ▶

**SECTION A**

**The following resource relates to Question 1.**

| Natural hazard type | Number of disasters 2010–2020 | Total number of people affected 2010–2020 |
|---|---|---|
| Drought | 2 | 197,687 |
| Earthquake | 17 | 4,347,369 |
| Landslide | 6 | 1802 |
| Flood | 52 | 19,151,217 |
| Volcanic eruption | 6 | 931,495 |
| Tropical cyclones and storms | 87 | 80,489,541 |

**Figure 1**

**Natural disasters in the Philippines, 2010 to 2020**

**The following resource relates to Question 2.**
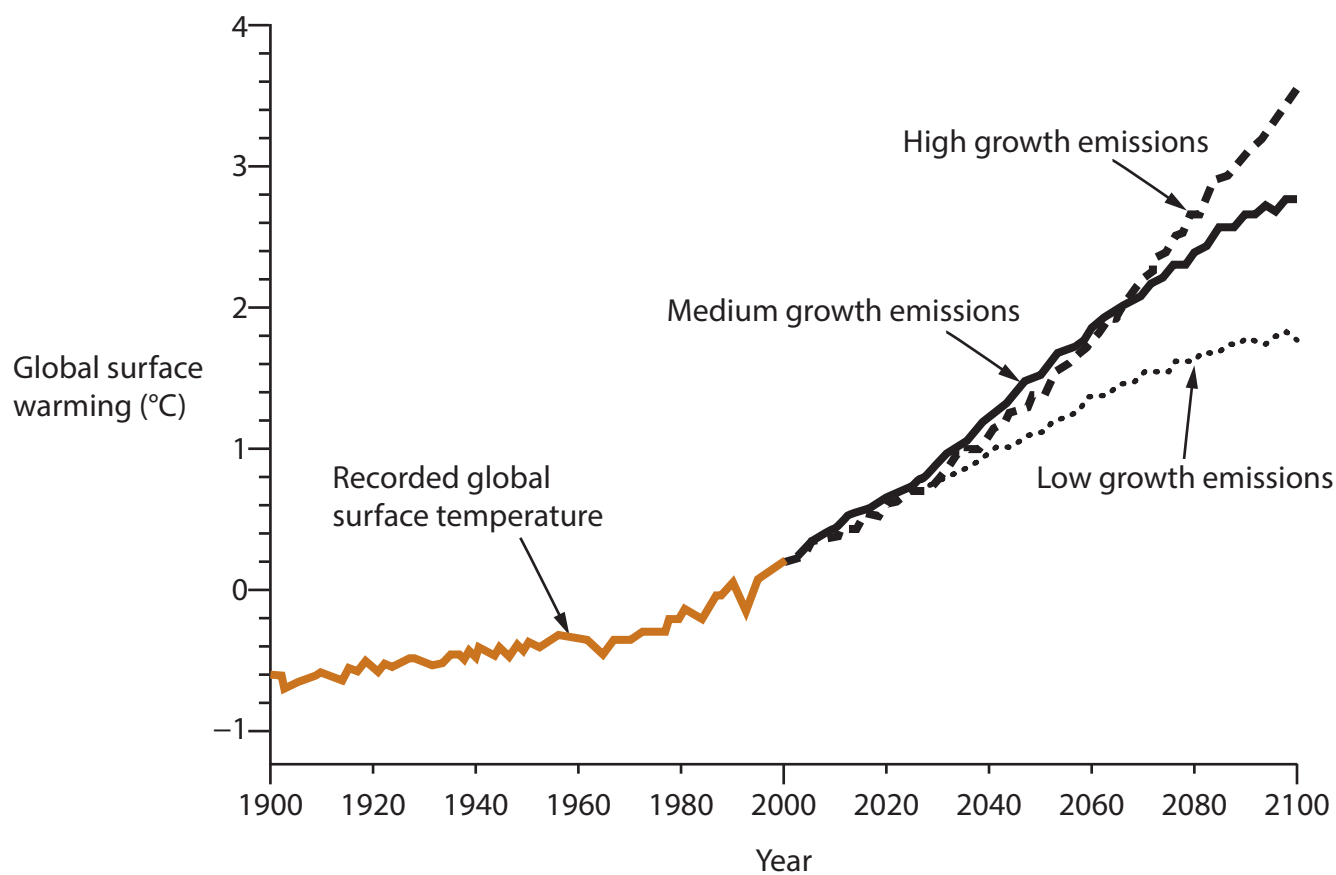


**Figure 2**

**Recorded and projected global temperature changes, 1900 to 2100**

**The following resource relates to Question 3.**
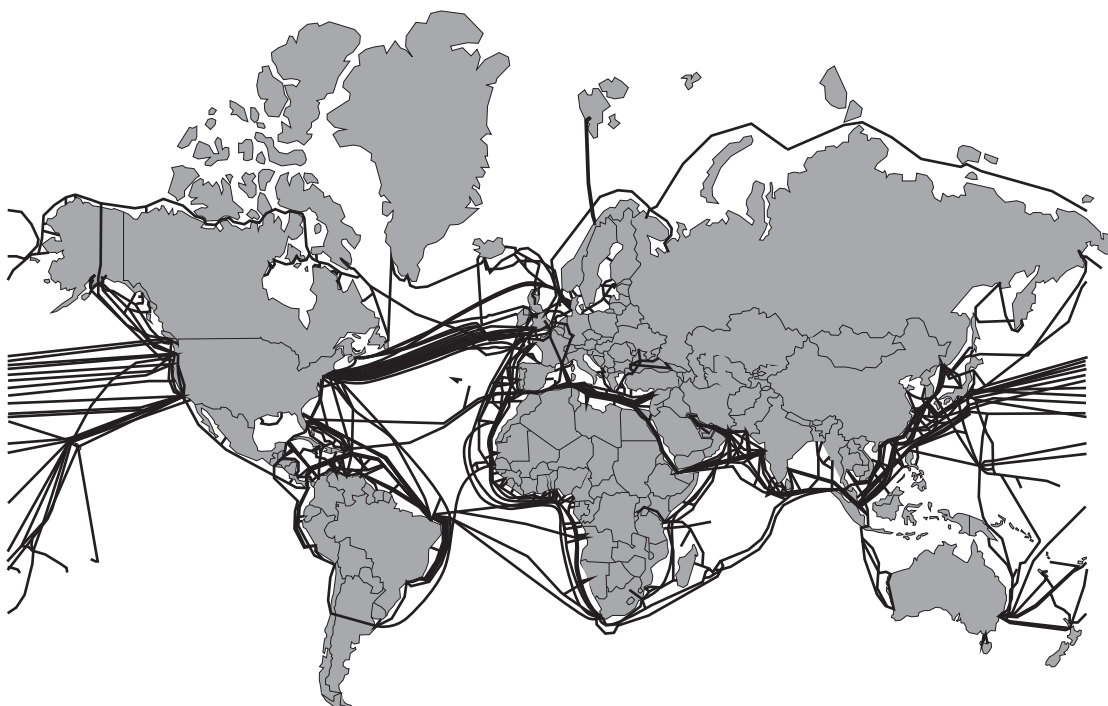


Key

——— Fibre optic cable

**Figure 3**

**Global distribution of submarine fibre optic cables**

**The following resource relates to Question 4.**
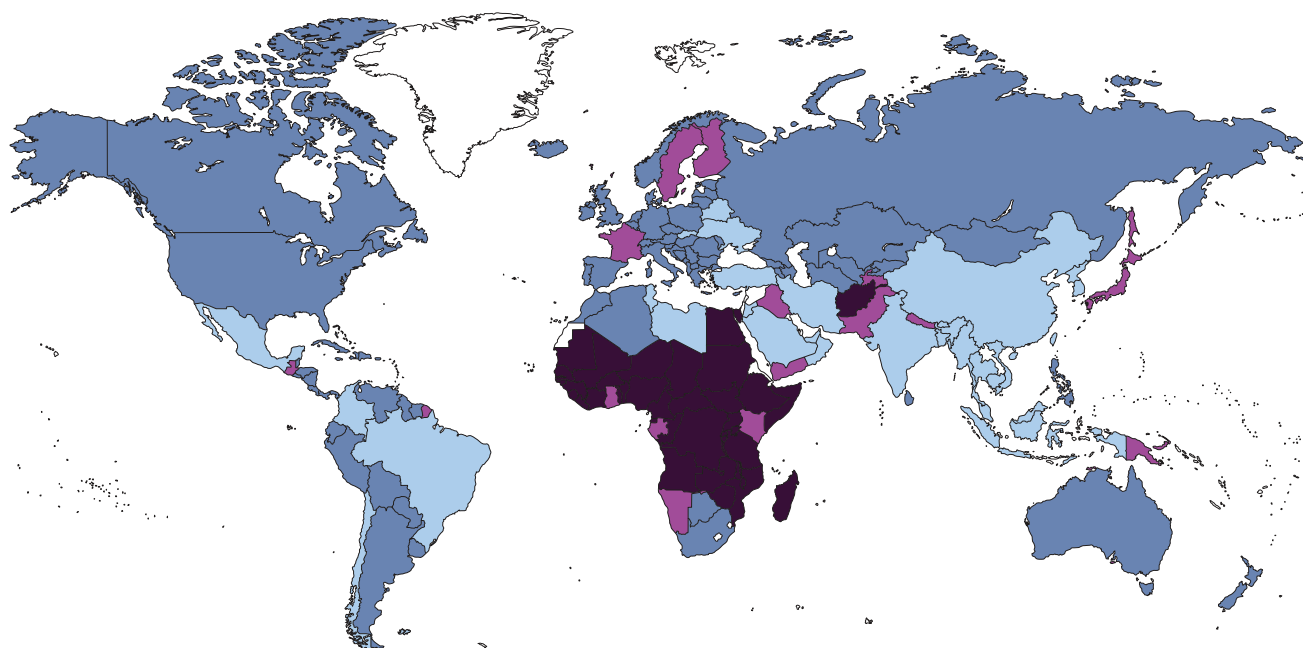


Key

| | |
|---|---|
| ☐ | No data |
| ☐ | Less than 37% |
| ☐ | 37–49% |
| ☐ | 50–61% |
| ☐ | More than 61% |

**Figure 4**

**The percentage of people in different countries who are of working age**

**SECTION B**

**The following resource relates to Question 5.**
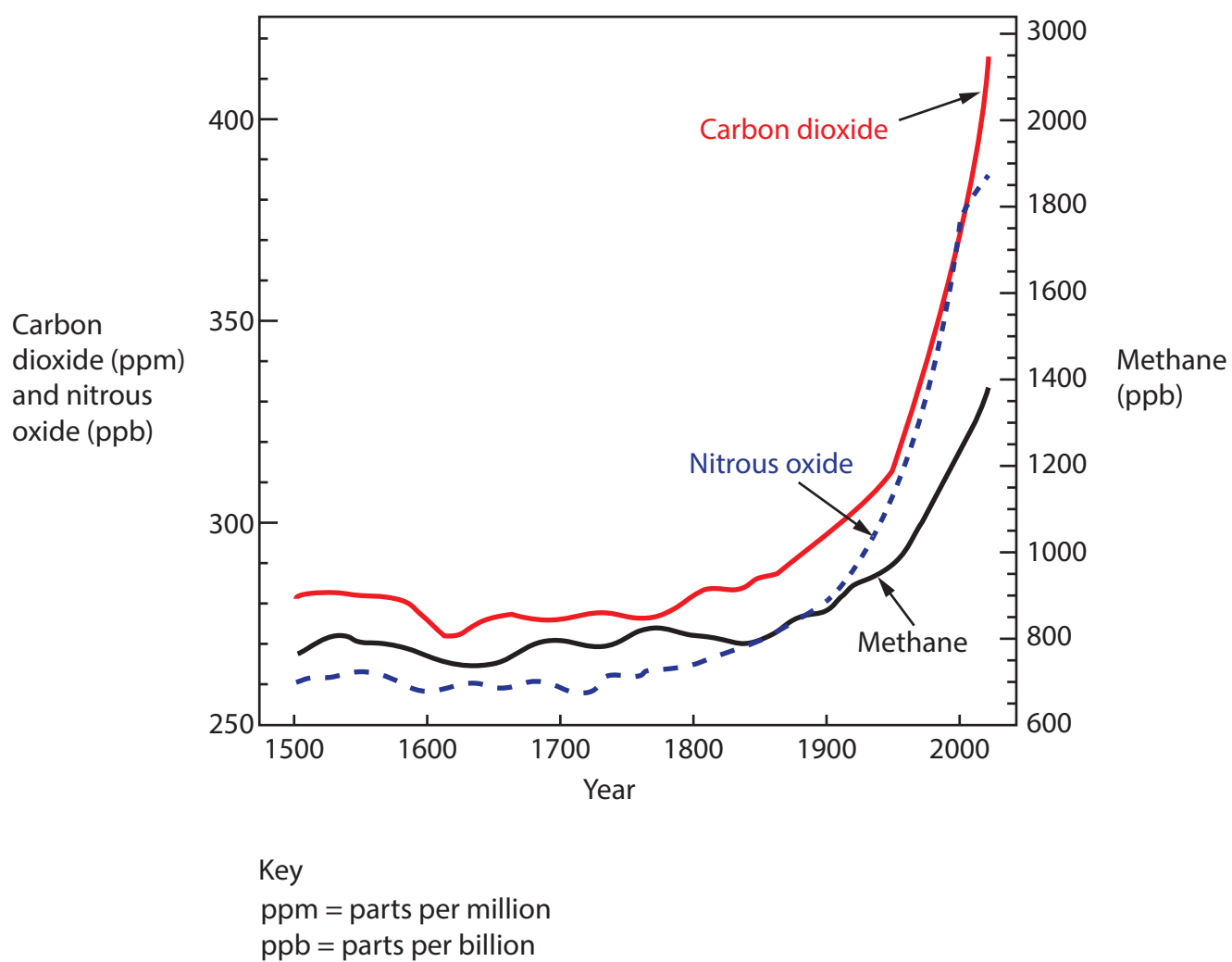


**Figure 5**

**Changes in atmospheric greenhouse gas concentration, 1500 to 2020**

**The following resource relates to Question 6.**
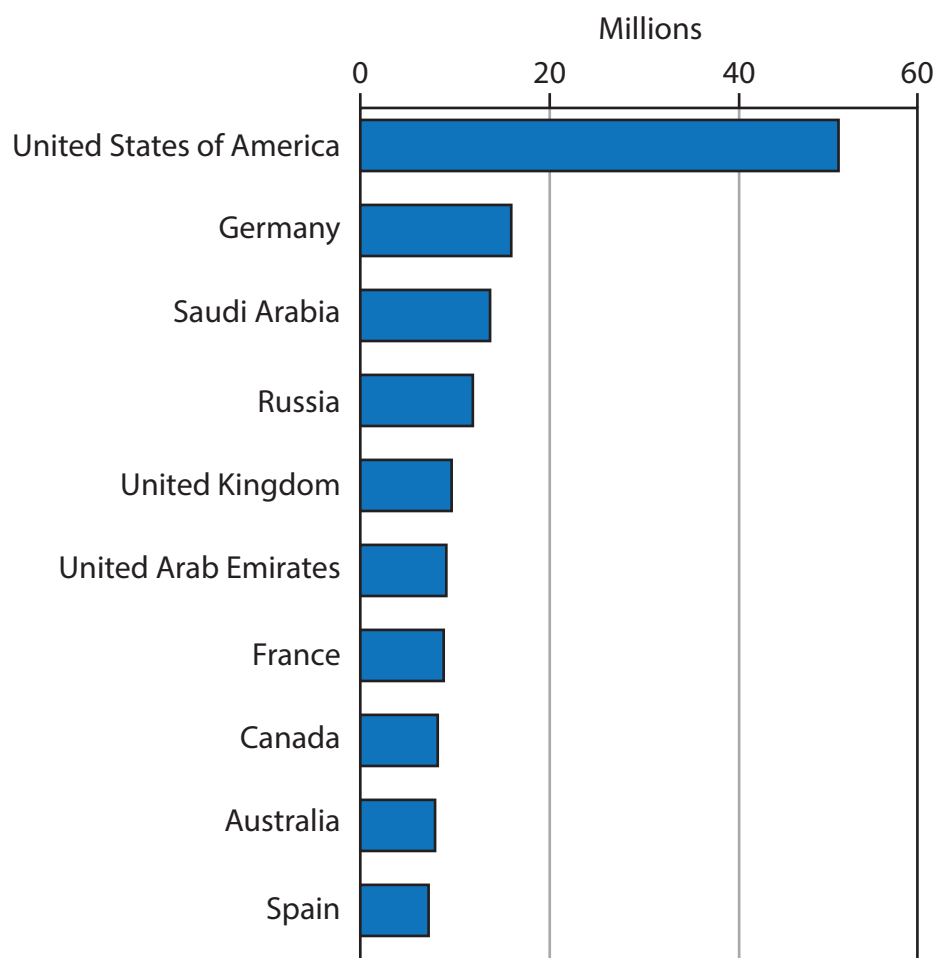
Millions



**Figure 6**

**The top 10 host countries for international migrants in 2020 (millions)**

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