Pearson Edexcel International Advanced Level

Time 1 hour 45 minutes

Paper reference **WGE01/01**

Geography
International Advanced Subsidiary
PAPER 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 ▶

SECTION A

You must use the Resource Booklet.

Answer ALL questions. 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) (i) Define the term 'natural disaster'.

(1)

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Study Figure 1 in the Resource Booklet.

(ii) Describe the trends in global economic losses due to extreme weather disasters between 1972 and 2018.

(2)

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(iii) Suggest **one** reason for the trend in global economic losses since 2000.

(2)

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(b) Explain how the disaster risk equation helps to explain the impacts of earthquakes.

(4)

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(c) Explain how monitoring and prediction can help manage the impacts of some tectonic disasters.

(6)

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(Total for Question 1 = 15 marks)

2 Study Figure 2 in the Resource Booklet.

(a) (i) Which continent is predicted to have the greatest number of people affected by sea level rise by 2100?

(1)

☒ **A** Africa

☒ **B** Asia

☒ **C** Europe

☒ **D** South America

(ii) Describe the distribution of people in South America predicted to be affected by rising sea level by 2100.

(2)

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(iii) Suggest **one** reason why some coastlines are especially at risk from sea level rise.

(2)

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(b) Explain **two** reasons why projections of future global warming are uncertain.

(4)

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(c) Explain why some government actions to mitigate carbon emissions have been more successful than others.

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(Total for Question 2 = 15 marks)

3 Study Figure 3 in the Resource Booklet.

(a) (i) Identify the increase in Microsoft's brand value from 2010 to 2020.

(1)

⊠ **A** US$ 55.8 billion

⊠ **B** US$ 78.2 billion

⊠ **C** US$ 100.1 billion

⊠ **D** US$ 105.2 billion

(ii) Suggest a reason for **one** change in the rankings shown in Figure 3.

(2)

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(iii) Suggest **one** way in which global consumers have benefitted from the growth of global brands.

(2)

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(b) Explain **two** reasons why some developing countries are poorly connected to the wider global economy.

(4)

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(c) Explain how developments in transport in **both** the 19th and 20th centuries contributed to a 'shrinking world'.

(6)

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(Total for Question 3 = 15 marks)

4 Study Figure 4 in the Resource Booklet.

(a) (i) Identify the correlation shown in the scattergraph.

(1)

☒ **A** Weak negative correlation

☒ **B** Weak positive correlation

☒ **C** Strong positive correlation

☒ **D** Strong negative correlation

(ii) Suggest how rising population and rising affluence could cause water shortages.

(4)

Rising population

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Rising affluence

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P 7 1 1 3 4 A 0 8 2 0

(b) Explain how the resource demands of cities affect the rural areas surrounding them.

(4)

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(c) Explain why there are both positive and negative attitudes towards immigration.

(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 possible reasons for the different attitudes to climate change.

   (10)

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(b) To what extent are differences in the human and economic impacts of disasters caused by variations in levels of development?

(20)

(Total for Question 5 = 30 marks)

6 Study Figure 6 in the Resource Booklet.

(a) Suggest possible reasons for the changes in FDI between 2010 and 2020.

(10)

P 7 1 1 3 4 A 0 1 5 2 0

(b) Assess the extent to which rapid urban growth in developing or emerging cities creates more challenges than benefits.

(20)

(Total for Question 6 = 30 marks)

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

P 7 1 1 3 4 A 0 1 9 2 0

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P 7 1 1 3 4 A 0 2 0 2 0

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Geography
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PAPER 1: Global Challenges

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

P 7 1 1 3 4 A

Pearson

SECTION A

The following resource relates to Question 1.
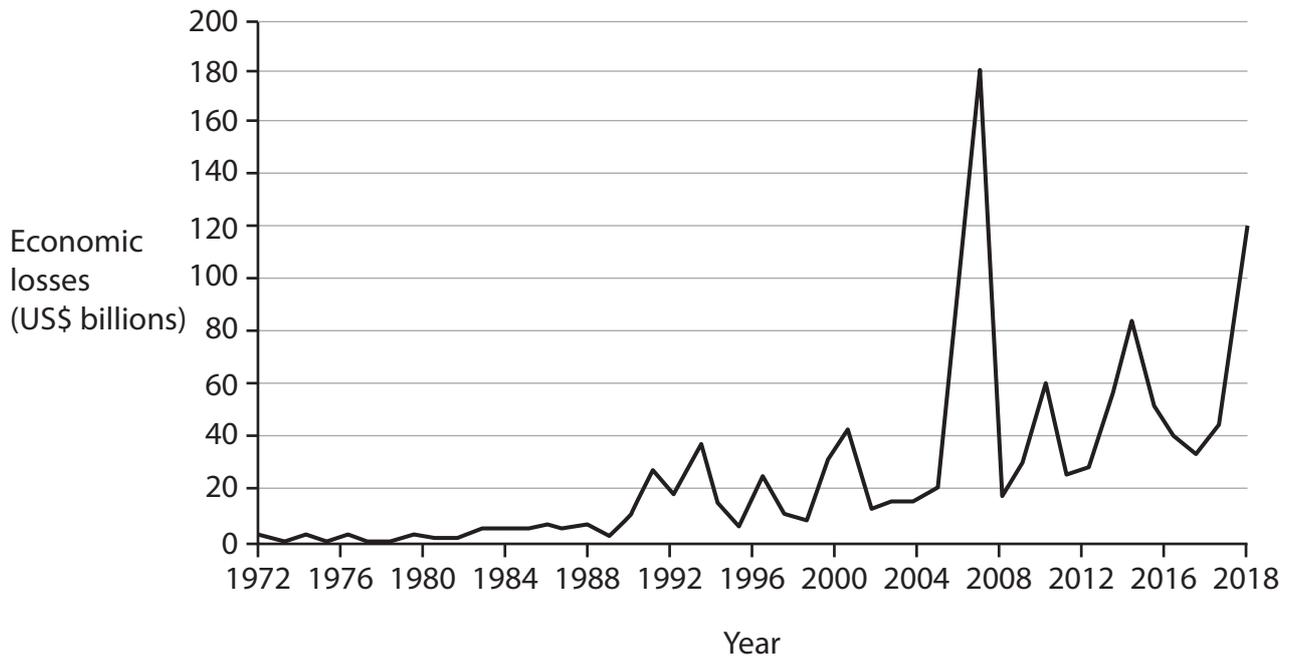
Figure 1

Global economic losses from extreme weather disasters, 1972 to 2018

The following resource relates to Question 2.
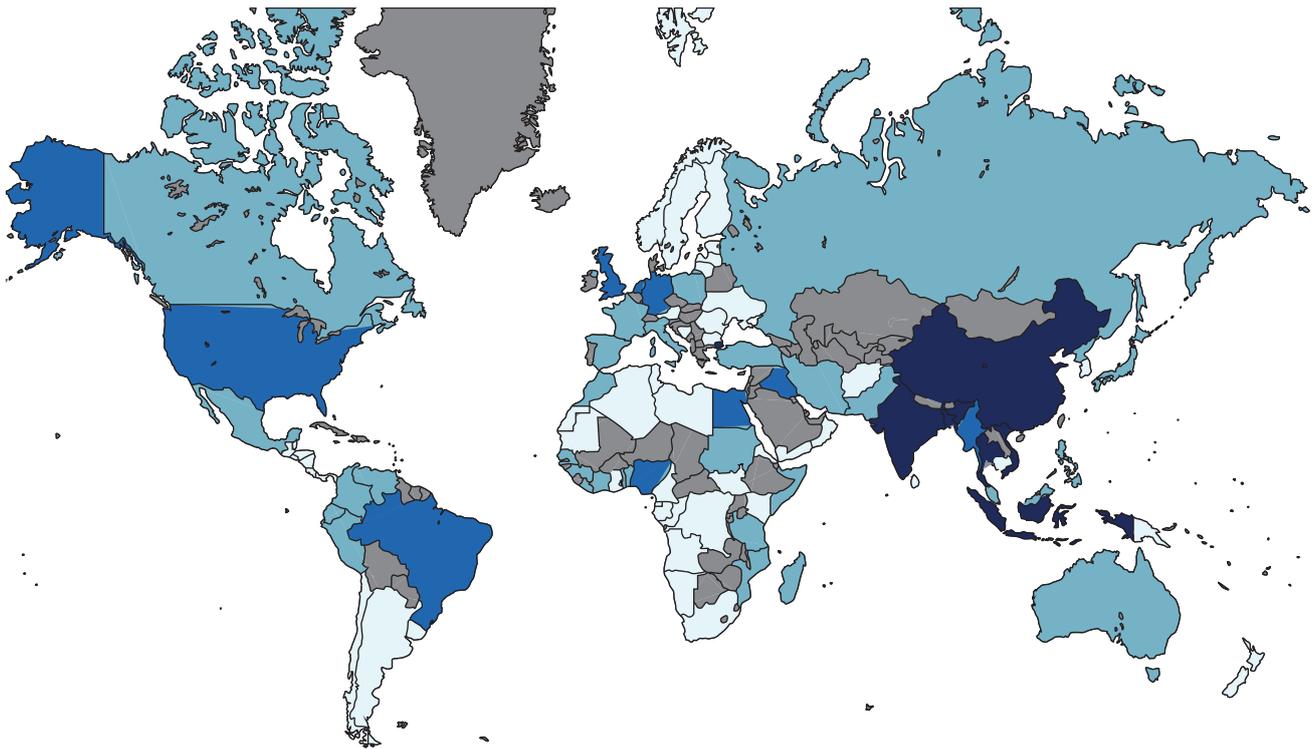
Key: Number of people per country

Over 10 million

1–9.99 million

0.1–0.99 million

Less than 0.1 million

No data
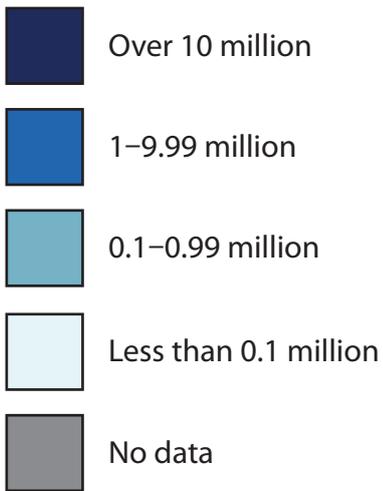
Figure 2

Number of people predicted to be affected by sea level rise by 2100

The following resource relates to Question 3.

Top 5 global brands 2010	Value (US$ billion)	Top 5 global brands 2020	Value (US$ billion)
Coca Cola (USA)	70.4	Apple (USA)	322.9
IBM (USA)	64.7	Amazon (USA)	200.6
Microsoft (USA)	60.8	Microsoft (USA)	166.0
Google (USA)	43.5	Google (USA)	165.4
General Electric (USA)	42.8	Samsung (South Korea)	62.2

Figure 3

The top 5 most valuable global brands in 2010 and 2020

The following resource relates to Question 4.
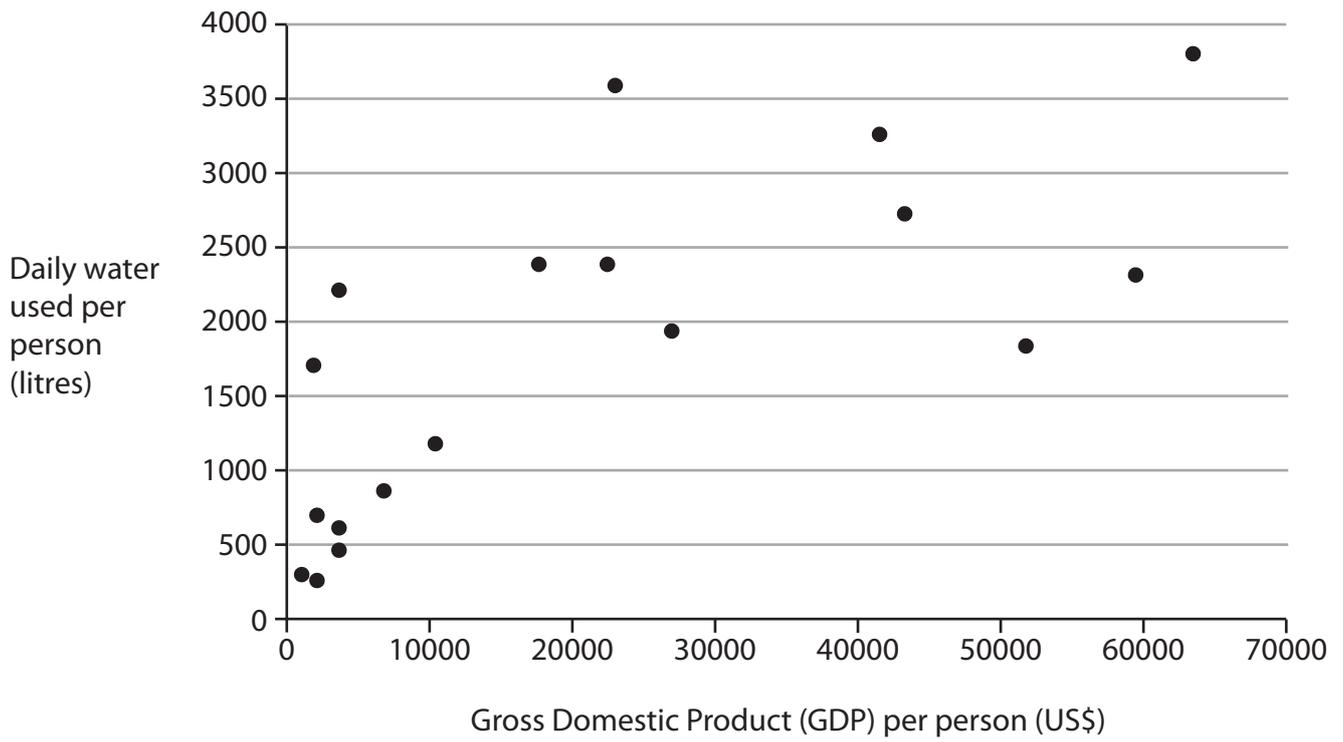
Figure 4

**A scattergraph of the correlation between GDP per person
and daily water use for selected countries**

Percentage of people surveyed that hold that view
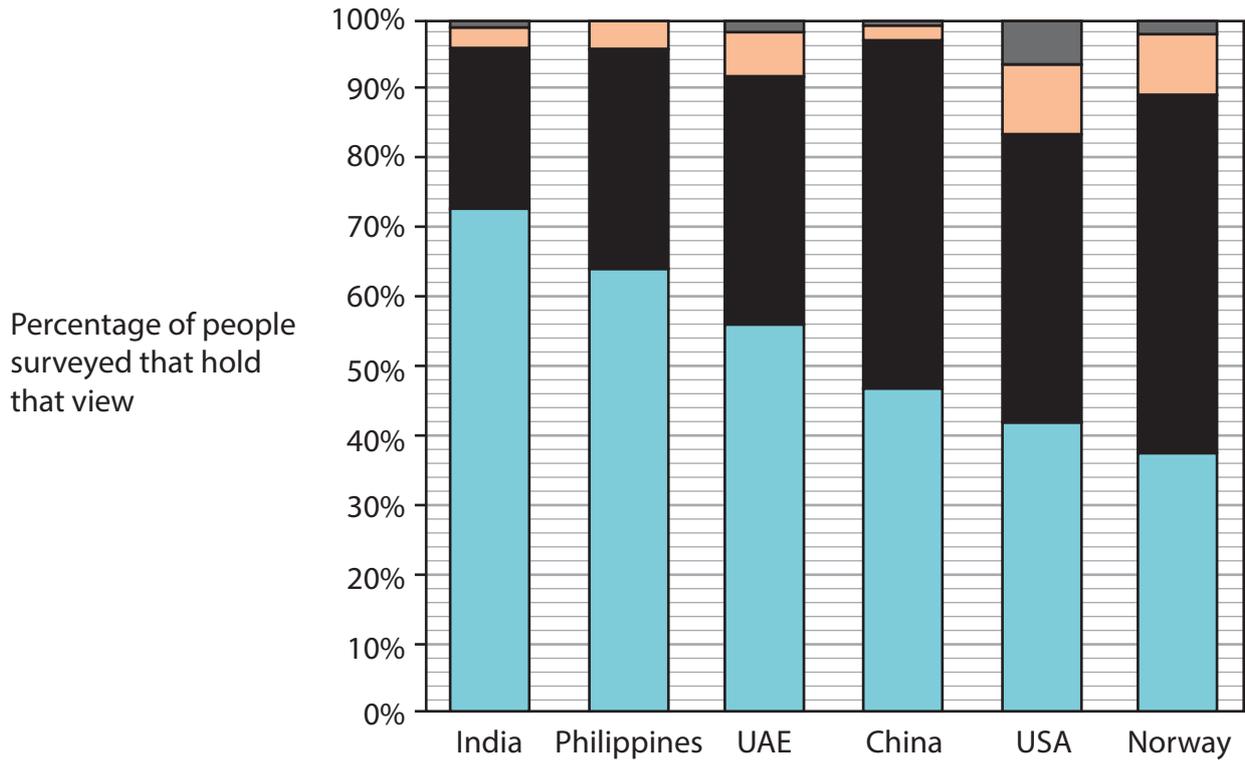
Key

The climate is not changing.

The climate is changing. Human activity is not responsible at all.

The climate is changing. Human activity is partly responsible, together with other factors.

The climate is changing. Human activity is mainly responsible.

Figure 5

Attitudes to climate change in six countries, 2019

The following resource relates to Question 6.

Top 10 countries in 2010	Total FDI US$ billion	Top 10 countries in 2020	Total FDI US$ billion
China	243	China	212
USA	210	USA	164
Brazil	77	Ireland	82
Germany	65	India	64
UK	58	Luxembourg	57
Ireland	42	Germany	35
Spain	40	Brazil	28
Australia	36	Mexico	27
Luxembourg	35	Israel	24
Russia	31	Canada	23
Saudi Arabia	29	Australia	20

Figure 6

Top 10 countries receiving Foreign Direct Investment (FDI) in 2010 and 2020

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