

Paper Reference 1GB0/03
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Total Marks

Geography B
PAPER 3: People and Environmental Issues
Making Geographical Decisions

Friday 14 June 2024 – Morning

Time: 1 hour 30 minutes

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

YOU MUST HAVE

Calculator, ruler

YOU WILL BE GIVEN

Resource Booklet

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided in this Question Paper – there may be more space than you need.

INFORMATION

The total mark for this paper is 64.

The marks for EACH question are shown in brackets – use this as a guide as to how much time to spend on each question.

The marks available for spelling, punctuation and grammar are clearly indicated.

ADVICE

Read each question carefully before you start to answer it.

Try to answer every question.

Check your answers if you have time at the end.

SECTION A**People and the Biosphere**

Answer ALL questions. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

- 1. Use Section A (pages 3 to 9) in the Resource Booklet to answer this question.**

(a) Study Figure 1.

- (i) Identify the geographical region where capital city Quito is located.**

(1 mark)

(continued on the next page)

1. (a) continued.

(ii) Identify the best estimate of the area of the rainforest region in Figure 1.

A 7,500,000 km²

B 750,000 km²

C 75,000 km²

D 7,500 km²

Answer

(1 mark)

(continued on the next page)

1. (a) continued.

(iii) Using Figure 1 and your own knowledge, explain ONE physical reason why rainforest cannot grow in some parts of Ecuador.

(2 marks)

(continued on the next page)

1. continued.

(b) Study Figure 2.

(i) Identify the year when the area of tropical forest loss was largest.

A 2001

B 2010

C 2013

D 2016

Answer

(1 mark)

(continued on the next page)

1. (b) continued.

- (ii) Using Figure 2 and your own knowledge, suggest TWO reasons why the distribution of Earth's biomes is changing over time.
(4 marks)

1 _____

2 _____

(Total for Question 1 = 9 marks)

TOTAL FOR SECTION A = 9 MARKS

Turn over

SECTION B**Forests Under Threat**

Answer ALL questions. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

2. Use Section B (pages 10 and 11) in the Resource Booklet to answer this question.

(a) Study Figure 3.

- (i) Using information in Figure 3, calculate the TOTAL estimated value of the oil located below Ecuador's rainforest.

(1 mark)

_____ US\$ billion

(continued on the next page)

2. (a) continued.

(ii) Using your own knowledge, identify **ONE** climate characteristic of tropical rainforest areas.

- A** The rainfall is low throughout the year.
- B** The rainfall is much higher in summer.
- C** The temperature is much lower in summer.
- D** The temperature is high throughout the year.

Answer

(1 mark)

(continued on the next page)

2. continued.

(b) Study Figure 4.

- (i) Calculate the total percentage (%) of countries who are NOT REDD members.
(1 mark)**

_____ %

(continued on the next page)

2. (b) continued.

(ii) Figure 4 mentions CITES.

Identify the main purpose of CITES.

- A** Preventing trade of endangered plant and animal species.
- B** Preserving the culture of rainforest communities.
- C** Funding education about sustainable development.
- D** Supporting tropical rainforest research projects.

Answer

(1 mark)

(continued on the next page)

2. continued.

(c) Using Figure 3 and Figure 4, explain
ONE strength and ONE weakness of global
actions to protect rainforests.

(4 marks)

Answer lines continue on the next page.

Strength

Weakness

2. (c) continued.

(Total for Question 2 = 8 marks)

TOTAL FOR SECTION B = 8 MARKS

SECTION C**Consuming Energy Resources**

Answer ALL questions. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

3. Use Section C (pages 12 to 20) in the Resource Booklet to answer this question.

(a) Study Figure 5.

- (i) Identify Ecuador's most valuable export.
(1 mark)

(continued on the next page)

3. (a) continued.

(ii) Figure 5 provides information about Ecuador's population size and population growth rate in 2021.

Calculate the size of Ecuador's population in millions in 2022.

A 18·00

B 18·25

C 18·75

D 19·40

Answer

(1 mark)

(continued on the next page)

3. continued.

(b) Study Figure 6.

(i) Identify ONE physical cause of reduced economic growth in Ecuador.

(1 mark)

(continued on the next page)

3. (b) continued.

(ii) Using Figures 5 and 6, suggest

TWO reasons why Ecuador's consumption of energy has grown at a faster rate than its population.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(c) Figure 7 shows how oil production can have a negative impact on the environment.

Using your own knowledge, explain TWO ways in which RENEWABLE energy production can also have a negative impact on the environment.

(4 marks)

Answer lines continue on the next page.

1 _____

2 _____

3. (c) continued.

(continued on the next page)

3. continued.

(d) Using evidence from Figures 7 and 8, assess the threats to Yasuní National Park (YNP) and its communities.

(8 marks)

Answer lines continue on the next two pages.

3. (d) continued.

[illegible]

3. (d) continued.

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(continued on the next page)

3. continued.

(e) Study Figure 9.

Identify TWO actions taken by rainforest communities to protect their land.

(2 marks)

1 _____

2 _____

(continued on the next page)

3. continued.

(f) Study Figure 10.

(i) Figure 10 mentions unconventional fossil fuels.

Using your own knowledge, name
TWO unconventional fossil fuel sources.
(2 marks)

1 _____

2 _____

(continued on the next page)

3. (f) continued.

(ii) Using evidence from Figure 10, assess which countries are most and least responsible for carbon dioxide emissions over time.

(8 marks)

Answer lines continue on the next two pages.

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3. (f) (ii) continued.

[illegible]

3. (f) (ii) continued.

[illegible]

(Total for Question 3 = 31 marks)

TOTAL FOR SECTION C = 31 MARKS

Turn over

SECTION D**Making a Geographical Decision**

Answer Question 4. Write your answers in the space provided.

In this question, up to four additional marks will be awarded for your spelling, punctuation, grammar and your use of specialist terminology.

4. Study the three options below for Ecuador's government.

OPTION 1: Ask foreign governments again if they will pay to stop oil production and save the rainforest in Ecuador.

OPTION 2: Allow all of Ecuador's oil resources to be used carefully, provided the profits are shared with rainforest communities.

OPTION 3: Gradually shut down Ecuador's oil industry, starting with any drilling in national parks and populated rainforest areas.

(continued on the next page)

4. continued.

Select the option you think offers the best long-term future for all of Ecuador's people.

Justify your choice.

Use information from the Resource Booklet and knowledge and understanding from the rest of your geography course to support your answer.

(12 marks)

Answer lines continue on the next nine pages.

CHOSEN OPTION

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

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(Spelling, punctuation, grammar and use of specialist terminology = 4 marks)

(Total for Question 4 = 16 marks)

TOTAL FOR SECTION D = 16 MARKS

TOTAL FOR PAPER = 64 MARKS

END OF PAPER