

**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 16 June 2023 – Afternoon**

**Time: 1 hour 30 minutes**

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

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

**Y72571A**



Pearson

**YOU MUST HAVE**

**Calculator**

**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.**

**Turn over**

## **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.**

**Turn over**

- 1. Use Section A (pages 4 to 9) in the Resource Booklet to answer this question.**

**(a) Study Figure 1.**

- (i) Name the ecosystem which covers the largest area of land in Figure 1.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**1. (a) continued.**

**(ii) Identify TWO statements which correctly describe the past distribution of forest on the map in Figure 1.**

**Select TWO answers from the options on the following page.**

**Turn over**

1. (a) (ii) continued.

**A** The forest was fairly evenly distributed

**B** Forests grew mainly in central areas of Iceland

**C** Forests grew mainly near the edges of the land

**D** More forest was in the south–east of Iceland

**E** More forest was in the south–west of Iceland

Answers

(2 marks)

(continued on the next page)

Turn over

**1. continued.**

**(b) Using your own knowledge,  
name ONE forest biome that is  
NOT present in Iceland.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**



**1. continued.**

**(c) Using evidence from Figures 1 and 2, suggest TWO ways in which Iceland's physical geography influences the distribution of its ecosystems.**

**(4 marks)**

**Answer lines continue on the next page.**

**1**

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**Turn over**

1. (c) continued.

2

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(Total for Question 1 = 8 marks)

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**TOTAL FOR SECTION A = 8 MARKS**

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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.**

**Turn over**

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

**(a) Study Figure 3.**

- (i) Which ONE of the following is the best definition of biodiversity?**

**Select ONE answer from the options on the following page.**

**Turn over**

**2. (a) (i) continued.**

**A The percentage of forest which has been removed**

**B The different forests found in a country**

**C The rate of nutrient cycling in an ecosystem**

**D The number of plant and animal species**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**2. (a) continued.**

**(ii) Using Figure 3 and your own knowledge, explain ONE HUMAN reason and ONE PHYSICAL reason why very little of Iceland's forest remains.**

**(4 marks)**

**Answer lines continue on the next page.**

**Human reason**

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**Turn over**

**2. (a) (ii) continued.**

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**Physical reason**

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**(continued on the next page)**

**Turn over**

**2. continued.**

**(b) Study Figure 4.**

**Using Figure 4 and your own knowledge, explain ONE possible impact of replanting forests on Iceland's economy.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**



**2. continued.**

**(c) Using your own knowledge,  
explain ONE way in which trees  
in the taiga biome are adapted to  
the climate.**

**(2 marks)**

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**(Total for Question 2 = 9 marks)**

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**TOTAL FOR SECTION B = 9 MARKS**

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**Turn over**

## **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.**

**Turn over**

**3. Use Section C (pages 12 to 23) in the Resource Booklet to answer this question.**

**(a) Study Figure 5.**

**(i) Identify the sector which employs most people.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. (a) continued.**

**(ii) Identify the sector which is  
MOST CLEARLY shown as  
being threatened by climate  
change.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(b) Study Figure 6.**

**(i) Calculate the value of  $X$  in the table.**

**A 78**

**B 61**

**C 19**

**D 13**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**3. (b) continued.**

**(ii) Using your own knowledge,  
state ONE possible  
POLITICAL cause of a large  
global oil price increase.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(c) A country's 'energy mix' is the range of different energy sources used by its people and industries.**

**Using evidence from Figures 5 and 6, explain TWO reasons why the people of Iceland need a diverse energy mix.**

**(4 marks)**

**Answer lines continue on the next page.**

**1** \_\_\_\_\_

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**Turn over**

**3. (c) continued.**

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**2**

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**(continued on the next page)**

**Turn over**



**3. continued.**

**(d) Study Figure 7.**

**Identify the interquartile range of the data.**

**A    75 – 5**

**B    75 – 20**

**C    55 – 15**

**D    30 – 15**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

**3. continued.**

**(e) Using your own knowledge, explain ONE PHYSICAL and ONE POLITICAL reason why some countries produce little renewable energy.**

**(4 marks)**

**Answer lines continue on the next page.**

**Physical reason**

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**Turn over**

3. (e) continued.

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**Political reason**

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(continued on the next page)

**Turn over**

**3. continued.**

**(f) Study Figure 8.**

**Using evidence from Figure 8,  
assess the ENVIRONMENTAL  
impacts of renewable energy use  
in Iceland.**

**(8 marks)**

**Answer lines continue on the  
next five pages.**

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**Turn over**

3. (f) continued.

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3. (f) continued.

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3. (f) continued.

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3. (f) continued.

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3. (f) continued.

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Turn over

**3. continued.**

**(g) Study Figure 9.**

- (i) Identify the year when  
Iceland's annual average  
temperature was highest.  
(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. (g) continued.**

**(ii) Using Figure 9, identify ONE reason why climate change leads to the loss of Arctic fish species.**

**(1 mark)**

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**(continued on the next page)**

**Turn over**

**3. continued.**

**(h) Study Figure 10.**

**Assess the value of Iceland's  
Climate Action Plan as a strategy  
that OTHER COUNTRIES could  
also use.**

**(8 marks)**

**Answer lines continue on the  
next five pages.**

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**Turn over**

3. (h) continued.

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3. (h) continued.

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Turn over



3. (h) continued.

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(Total for Question 3 = 31 marks)

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**TOTAL FOR SECTION C = 31 MARKS**

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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.**

**Turn over**

- 4. Study the three options below for Iceland's government to manage the country's natural environment and resources more sustainably.**

**OPTION 1: Make new laws to limit the harm done by aluminium production.**

**OPTION 2: Increased planting of new trees to replace Iceland's lost taiga forest.**

**OPTION 3: Take action to reduce fossil fuel use by transport in Iceland.**

**(continued on the next page)**

**Turn over**

**4. continued.**

**Select the option you think Iceland's government ought to focus on FIRST.**

**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 are on the next twelve pages.**

**Turn over**

4. continued.

**CHOSEN OPTION**

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**4. continued.**

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

**(Total for Question 4 = 16 marks)**

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**TOTAL FOR SECTION D = 16 MARKS**

**TOTAL FOR PAPER = 64 MARKS**

**END OF PAPER**

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