

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

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

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**

**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.**

**Turn over**

**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.**

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## **SECTION A**

### **People and the Biosphere**

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

**Turn over**

1. Use Section A (pages 3–6) of the Resource Booklet before answering this question.

(a) Study Figure 1.

Identify the year when Ghana's population reached **20** million.

(1 mark)

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(continued on the next page)

1. continued.

(b) More resources are needed when a country's population increases in size.

Using your own knowledge, state ONE OTHER reason why the demand for resources may grow over time.

(1 mark)

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(continued on the next page)

**1. continued.**

**(c) Ghana's population is predicted to double in size between 2020 and 2050.**

**Explain ONE way in which the graph in Figure 1 supports this prediction.**

**Use data from Figure 1 in your answer.**

**(2 marks)**

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**(continued on the next page)**

**Turn over**

1. continued.

(d) Study Figure 2 in the Resource Booklet.

Using Figure 2, identify TWO ways in which mining leads to vegetation loss.

(2 marks)

1 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2 \_\_\_\_\_

\_\_\_\_\_

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Turn over



**1. continued.**

**(e) Using your own knowledge, explain ONE way in which soil can be damaged by the loss of vegetation.**

**(2 marks)**

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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 7–8) in the Resource Booklet to answer this question.

(a) Study Figure 3.

- (i) Identify when the greatest increase in precipitation occurs.

**A** between April and May

**B** between May and June

**C** between August and September

**D** between September and October

Answer

(1 mark)

(continued on the next page)

Turn over

2. (a) continued.

(ii) Identify the MODAL amount of monthly precipitation.

(1 mark)

\_\_\_\_\_ mm

(continued on the next page)

**2. continued.**

**(b) Using your own knowledge, identify TWO ways in which plants in tropical rainforests are adapted to the climate.**

**A drip-tip leaves**

**B cone-shaped trees**

**C low biodiversity**

**D needle-shaped leaves**

**E buttress roots**

**Answer**

**(2 marks)**

**(continued on the next page)**

**Turn over**

2. continued.

(c) Study Figure 4 in the Resource Booklet.

**Explain TWO ways in which the changes shown in Figure 4 may lead to the loss of tropical rainforest animals.**

**(4 marks)**

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

1 \_\_\_\_\_

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2 \_\_\_\_\_

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**2. (c) continued.**

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**(Total for Question 2 = 8 marks)**

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**TOTAL FOR SECTION B = 8 MARKS**

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## **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 9–18) in the Resource Booklet to answer this question.

(a) Study Figure 5.

(i) Identify Ghana's most valuable export in 2019.

(1 mark)

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(continued on the next page)

3. (a) continued.

(ii) Identify how you would work out the percentage increase in GDP per capita from 2010 to 2019.

A  $\frac{3100 + 5194}{3100} \times 100$

B  $\frac{3100 + 5194}{5194} \times 100$

C  $\frac{5194 - 3100}{3100} \times 100$

D  $\frac{5194 - 3100}{5194} \times 100$

Answer

(1 mark)

(continued on the next page)

Turn over

**3. continued.**

**(b) Study Figure 6 in the Resource Booklet.**

**Identify which country started oil production first.**

**(1 mark)**

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**(continued on the next page)**

3. continued.

(c) Study Figures 5 and 6 in the Resource Booklet.

Using evidence from Figures 5 and 6, explain  
**TWO** ways in which Ghana's economy might  
be affected by the development of new oil  
resources.

(4 marks)

Answer lines continue on the next page.

1 \_\_\_\_\_

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\_\_\_\_\_

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\_\_\_\_\_

2 \_\_\_\_\_

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**3. (c) continued.**

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**(d) Study Figure 7 in the Resource Booklet.**

**Identify the distance between Axim and the  
centre of the Jubilee Field.**

**A 70 km**

**B 100 km**

**C 170 km**

**D 1000 km**

**Answer**

**(1 mark)**

**(continued on the next page)**

**Turn over**

3. continued.

(e) Using your own knowledge, explain  
**ONE PHYSICAL and ONE ECONOMIC reason**  
why oil resources can only be developed in  
certain places.

(4 marks)

Answer lines continue on the next page.

**Physical reason**

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**Economic reason**

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**Turn over**

3. (e) continued.

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### 3. continued.

**(f) Study Figure 8 in the Resource Booklet.**

**Assess the similarities and differences between the two views.**

**(8 marks)**

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

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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. continued.

(g) Study Figure 9 in the Resource Booklet.

Using evidence from Figure 9 and your own knowledge, explain TWO reasons for the rise in global  $\text{CO}_2$  emissions from fossil fuel use since the year 2000.

(4 marks)

Answer lines continue on the next page.

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2 \_\_\_\_\_

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3. (g) continued.

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(continued on the next page)

**3. continued.**

**(h) Study Figure 10 in the Resource Booklet.**

**Using evidence from Figure 10, assess the environmental challenges which climate change may bring to Ghana.**

**(8 marks)**

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

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**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 = 32 marks)

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**TOTAL FOR SECTION C = 32 MARKS**

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## **SECTION D**

### **Making a Geographical Decision**

**Answer Question 4. Write your answer 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 Ghana's government to develop its economy so that it is no longer reliant on overseas aid.

**OPTION 1: Stop looking for new oil and focus on educating Ghana's growing population**

**OPTION 2: Keep supporting the gold, cocoa and oil industries in order to increase Ghana's national income**

**OPTION 3: Focus on developing Ghana's oil industry but discourage any new gold mining or cocoa production**

**(continued on the next page)**

4. continued.

Select the option that you think is best for the future development of Ghana.

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 six pages.

CHOSEN OPTION \_\_\_\_\_

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**4. continued.**

[illegible]

**Turn over**

**4. continued.**

[illegible]

**Turn over**

**4. continued.**

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**4. continued.**

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**4. continued.**

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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)**

**TOTAL FOR SECTION D = 16 MARKS**

**TOTAL FOR PAPER = 64 MARKS**

**END OF PAPER**