

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

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.

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.

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)

(continued on the next page)

Turn over

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)

(continued on the next page)

Turn over

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)

Answer lines continue on the next page.

1. (c) continued.

(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 _____

(continued on the next page)

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)

(Total for Question 1 = 8 marks)

TOTAL FOR SECTION A = 8 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.

Turn over

2. Use Section B (pages 7–8) in the Resource Booklet to answer this question.

(a) Study Figure 3.

(continued on the next page)

2. (a) continued.

(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)

Turn over

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

Turn over

2. (c) continued.

2

(Total for Question 2 = 8 marks)

TOTAL FOR SECTION B = 8 MARKS

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 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)**

(continued on the next page)

Turn over

3. (a) continued.

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

Select ONE answer from the options on the next page and write the letter in the box provided.

(continued on the next page)

3. (a) (ii) continued.

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

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

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

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

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)

(continued on the next page)

Turn over

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

Turn over

3. (c) continued.

2

(continued on the next page)

Turn over

3. continued.

**(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

Turn over

3. (e) continued.

Economic reason

(continued on the next page)

Turn over

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 four pages.**

Turn over

3. (f) continued.

Turn over

3. (f) continued.

Turn over

3. (f) continued.

Turn over

3. (f) continued.

(continued on the next page)

Turn over

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 CO₂ emissions
from fossil fuel use since the
year 2000.**

(4 marks)

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

1

Turn over

3. (g) continued.

2

(continued on the next page)

Turn over

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 four pages.**

Turn over

3. (h) continued.

Turn over

3. (h) continued.

Turn over

3. (h) continued.

Turn over

3. (h) continued.

(Total for Question 3 = 32 marks)

TOTAL FOR SECTION C = 32 MARKS

Turn over

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.

Turn over

- 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

(continued on the next page)

Turn over

4. continued.

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

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

Justify your choice.

(continued on the next page)

Turn over

4. continued.

**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 _____

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

**(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
