

Paper Reference 1GB0/02
Pearson
Level 1/Level 2 GCSE (9–1)

Total Marks

Geography B

PAPER 2: UK Geographical Issues

Friday 9 June 2023 – 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					

Y72570A

YOU MUST HAVE
Calculator

YOU WILL BE GIVEN
Diagram Booklet

Turn over

INSTRUCTIONS

Answer ALL questions in Sections A and B.

In Section C1 answer EITHER Question 8 OR Question 9.

In Section C2 answer EITHER Question 10 OR Question 11.

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

You must show all your working out with your answer clearly identified at the end of your solution.

Turn over

INFORMATION

The total mark for this paper is 94.

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.

Check your answers if you have time at the end.

Turn over

SECTION A

The UK's Evolving Physical Landscape

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. (a) Identify which region of the UK is **ONLY** made up of sedimentary rocks.

- A** South–east England
- B** North–west Scotland
- C** North Wales
- D** South–west England

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

**(b) Explain ONE way in which rock
is weathered.**

(2 marks)

(continued on the next page)

Turn over

1. continued.

**(c) Explain ONE impact of glaciation
on the UK's landscape.**

(2 marks)

(Total for Question 1 = 5 marks)

Turn over

Coastal Change and Conflict

2. (a) Explain ONE reason why rocks with many joints and faults are eroded rapidly by waves.
(2 marks)

(continued on the next page)

Turn over

2. continued.

(b) Explain ONE benefit of using soft engineering to reduce coastal erosion.

(2 marks)

(continued on the next page)

Turn over

2. continued.

(c) For a named UK coastal landscape, explain TWO ways in which human activity is causing change.

(4 marks)

Answer lines continue on the next page.

Named coastal landscape

1

Turn over

2. (c) continued.

2

(Total for Question 2 = 8 marks)

Turn over

River Processes and Pressures

- 3. (a) Look at the diagram for
Question 3(a) in the
Diagram Booklet.**

**It is a photograph of a river
landscape in western England.**

(continued on the next page)

Turn over

3. (a) continued.

(i) Identify which is the best evidence that the river is in flood.

- A There are no houses visible**
- B Some trees are partly under water**
- C The river is flowing very slowly**
- D The river is very deep**

Answer

(1 mark)

(continued on the next page)

Turn over

3. (a) continued.

**(ii) State ONE piece of evidence
that this river has a large
sediment load.**

(1 mark)

(continued on the next page)

Turn over

3. continued.

(b) Explain ONE cost and ONE benefit of using hard engineering to manage river flood risk.

(4 marks)

Answer lines continue on the next page.

cost

Turn over

3. (b) continued.

benefit

(Total for Question 3 = 6 marks)

Turn over

Investigating a UK Geographical Issue

- 4. Look at the diagram and the table for Question 4 in the Diagram Booklet. They have information about major flood events in England and Wales between 1920 and 2019.**

The diagram shows the number of major flood events in each twenty-year period since 1920.

(continued on the next page)

Turn over

4. continued.

The table provides information about the five largest flood events as measured by the number of properties flooded and the number of deaths.

Assess the physical and human reasons for the changes in flood events in the past 100 years.

You must use evidence from the diagram and the table in the Diagram Booklet in your answer.

(8 marks)

Answer lines are on the next four pages.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

Turn over

4. continued.

(Total for Question 4 = 8 marks)

TOTAL FOR SECTION A = 27 MARKS

Turn over

SECTION B

The UK's Evolving Human Landscape

**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

5. (a) Look at the table for Question 5(a) in the Diagram Booklet. It shows the ethnic diversity of two regions of England, London and the North East.

Compare the ethnic diversity of London with the North East.

(3 marks)

Answer lines continue on the next page.

Turn over

5. (a) continued.

(continued on the next page)

Turn over

5. continued.

(b) Explain TWO reasons for regional variations in ethnic diversity.

(4 marks)

Answer lines continue on the next page.

1

Turn over

5. (b) continued.

2

(Total for Question 5 = 7 marks)

Turn over

Dynamic UK cities

- 6. (a) Look at the diagram for Question 6(a) in the Diagram Booklet. It shows the percentage (%) population growth for the city of Bath and England and Wales, 2007–2020.**

(continued on the next page)

Turn over

6. (a) continued.

(i) Identify in which year
Bath's population growth
was below 0.2% .

A 2007

B 2009

C 2015

D 2019

Answer

(1 mark)

(continued on the next page)

Turn over

6. (a) continued.

**(ii) State ONE difference
between Bath's population
changes and those in
England and Wales.**

(1 mark)

(continued on the next page)

Turn over

6. continued.

(b) Look at the table for Question 6(b) in the Diagram Booklet. It shows the total number of people employed in Cardiff and the number employed in manufacturing.

Calculate the % of Cardiff's employed population that work in manufacturing.

Answer to ONE decimal place.

You must show your working in the space on the next page.

(2 marks)

Turn over

6. (b) continued.

_____ %

(continued on the next page)

Turn over

6. continued.

(c) For a UK city that you have studied, explain TWO strategies that have been used to make urban living more sustainable.

(4 marks)

Answer lines continue on the next page.

UK city

1

Turn over

6. (c) continued.

2

(continued on the next page)

Turn over

6. continued.

(d) For a UK city that you have studied, explain ONE reason why some parts of the city have experienced growth.

(4 marks)

Answer lines continue on the next page.

UK city

Turn over

6. (d) continued.

(Total for Question 6 = 12 marks)

Turn over

Investigating a UK Geographical Issue

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

Turn over

- 7. Look at the diagram for Question 7 in the Diagram Booklet. It is information showing the different age structures of the urban and rural populations of England, in 2020.**

Assess the possible causes for the differences in the age structure of England's urban and rural populations.

You must use evidence from the diagram in the Diagram Booklet in your answer.

(8 marks)

Answer lines are on the next five pages.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

Turn over

7. continued.

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

(Total for Question 7 = 12 marks)

TOTAL FOR SECTION B = 31 MARKS

Turn over

SECTION C1

Geographical Investigations: Fieldwork in a Physical Environment

**Answer EITHER Question 8 OR
Question 9 in this section.**

**Write your answers in the space
provided**

**If you answer Question 8 put a
cross in this box**

☐

Investigating Coastal Change and Conflict

Turn over

- 8. (a) Look at the table for Question 8(a) in the Diagram Booklet. A group of students decided to investigate beach characteristics at two different times of year at the same location, 10 minutes walk from their school.**

Their first visit was in May, their second in December. The weather was calm on both days.

(continued on the next page)

8. (a) continued.

The beach had hard engineering with a sea-wall and several groynes. They also knew that soft engineering had taken place in previous years with beach replenishment (sand brought in from neighbouring beaches).

They measured beach gradient (slope angle) at six sites from the sea wall to the shoreline along two beach profiles, one at each end of the beach.

(continued on the next page)

Turn over

8. (a) continued.

Their results are shown in the table in the Diagram Booklet.

(i) Explain ONE reason why the students selected this beach to carry out their investigation.

(2 marks)

Answer lines continue on the next page.

Turn over

8. (a) (i) continued.

(continued on the next page)

Turn over

8. (a) continued.

(ii) Explain ONE reason why they chose to measure the beach profile at two different times of year.

(2 marks)

(continued on the next page)

Turn over

8. (a) continued.

(iii) Explain ONE conclusion that they may have made after analysing their results.

(2 marks)

(continued on the next page)

Turn over

8. (a) continued.

(iv) Explain how TWO secondary sources of data would have been useful when carrying out this investigation.

(4 marks)

Answer lines continue on the next two pages.

Secondary data source 1

Turn over

8. (a) (iv) continued.

Secondary data source 2

Turn over

8. (a) (iv) continued.

(continued on the next page)

Turn over

8. continued.

(b) You have conducted your own fieldwork into how and why coastal management impacts on coastal processes.

Name your fieldwork location

Assess the strengths and weaknesses of your fieldwork methods of collecting quantitative data.

(8 marks)

Answer lines are on the next five pages.

Turn over

8. (b) continued.

Turn over

8. (b) continued.

Turn over

8. (b) continued.

Turn over

8. (b) continued.

Turn over

8. (b) continued.

(Total for Question 8 = 18 marks)

Do not answer Question 9 if you have answered Question 8

If you answer Question 9 put a cross in this box

☐

Investigating River Processes and Pressures

Turn over

- 9. (a) Look at the table for Question 9(a) in the Diagram Booklet. A group of students decided to investigate river characteristics at two different times of year along two sections of the same river, 10 minutes walk from their school.**

Their first visit was in May, their second in December. The weather was calm on both days.

(continued on the next page)

Turn over

9. (a) continued.

The river had hard engineering in two places, with bank reinforcement. They also knew that a local landowner occasionally removed debris from the channel to maintain the water flow.

(continued on the next page)

Turn over

9. (a) continued.

They measured river discharge in cumecs (cubic metres per second – m^3/sec) by measuring width, average depth and velocity at six sites along two different sections of the river, separated by a kilometre with Section 2 further down the river.

Their results are shown in the table in the Diagram Booklet.

(continued on the next page)

Turn over

9. (a) continued.

(i) Explain ONE reason why the students selected this river to carry out their investigation.

(2 marks)

(continued on the next page)

Turn over

9. (a) continued.

(ii) Explain ONE reason why they chose to measure river discharge at two different times of year.

(2 marks)

(continued on the next page)

Turn over

9. (a) continued.

(iii) Explain ONE conclusion that they may have made after analysing their results.

(2 marks)

(continued on the next page)

Turn over

9. (a) continued.

(iv) Explain how TWO secondary sources of data would have been useful when carrying out this investigation.

(4 marks)

Answer lines continue on the next two pages.

Secondary data source 1

Turn over

9. (a) (iv) continued.

Secondary data source 2

Turn over

9. (a) (iv) continued.

(continued on the next page)

Turn over

9. continued.

(b) You have conducted your own fieldwork into flood risk for people and property.

Name your fieldwork location

Assess the strengths and weaknesses of your fieldwork methods of collecting quantitative data.

(8 marks)

Answer lines continue on the next five pages.

Turn over

9. (b) continued.

Turn over

9. (b) continued.

Turn over

9. (b) continued.

Turn over

9. (b) continued.

Turn over

9. (b) continued.

(Total for Question 9 = 18 marks)

TOTAL FOR SECTION C1 = 18 MARKS

Turn over

SECTION C2**Geographical Investigations:
Fieldwork in a Human Environment**

**Answer EITHER Question 10 or
Question 11 in this section.**

**Write your answer in the space
provided.**

**If you answer Question 10 put a
cross in this box**

☐

Investigating Dynamic Urban Areas

Turn over

- 10. You have carried out your own fieldwork investigating environmental quality in an urban area.**

Name your urban fieldwork location

(continued on the next page)

Turn over

10. continued.

(a) Explain ONE reason for the choice of question or hypothesis that you selected to investigate.

(2 marks)

(continued on the next page)

Turn over

10. continued.

(b) Explain TWO ways that you used to collect data to investigate the quality of the urban environment.

(4 marks)

Answer lines continue on the next page.

1

Turn over

10. (b) continued.

2

(continued on the next page)

Turn over

10. continued.

(c) At the end of your geographical investigation you drew conclusions that either supported or did not support your enquiry question or hypothesis.

**Explain how strongly your conclusions supported your enquiry question or hypothesis.
(4 marks)**

Answer lines are on the next two pages.

Turn over

10. (c) continued.

**Your enquiry question or
hypothesis.**

Turn over

10. (c) continued.

(continued on the next page)

Turn over

10. continued.

(d) Look at the information and the diagram for Question 10(d) in the Diagram Booklet.

The information shows how 20 students carried out questionnaires. The diagram shows the results of the responses.

(continued on the next page)

Turn over

10. (d) continued.

The students concluded that

- 1. the majority of people in the town were happy with their quality of life.**
- 2. older people tended to be less happy than younger people.**

Assess the reliability of these conclusions.

(8 marks)

Answer lines are on the next four pages.

Turn over

10. (d) continued.

Turn over

10. (d) continued.

Turn over

10. (d) continued.

Turn over

10. (d) continued.

(Total for Question 10 = 18 marks)

Turn over

**Do not answer Question 11 if you
already answered Question 10**

**If you answer Question 11 put a
cross in this box**

☐

**Investigating Changing Rural
Settlements**

Turn over

- 11. You have carried out your own fieldwork investigating environmental quality in a rural environment.**

Name your rural fieldwork location.

(continued on the next page)

Turn over

11. continued.

**(a) Explain ONE reason for the
choice of question or hypothesis
that you selected to investigate.**

(2 marks)

(continued on the next page)

Turn over

11. continued.

(b) Explain TWO ways that you collected data to investigate the quality of the rural environment.

(4 marks)

Answer lines continue on the next page.

1

Turn over

11. (b) continued.

2

(continued on the next page)

Turn over

11. continued.

(c) At the end of your geographical investigation you drew conclusions that either supported or did not support your enquiry question or hypothesis.

Explain how strongly your conclusions supported your enquiry question or hypothesis.

(4 marks)

Answer lines are on the next two pages.

Turn over

11. (c) continued.

**Your enquiry question or
hypothesis.**

Turn over

11. (c) continued.

(continued on the next page)

Turn over

11. continued.

(d) Look at the information and the diagram for Question 11(d) in the Diagram Booklet.

The information shows how 20 students carried out questionnaires. The diagram shows the results of the responses.

(continued on the next page)

Turn over

11. (d) continued.

The students concluded that

- 1. the majority of people in the village were happy with their quality of life.**
- 2. older people tended to be less happy than younger people.**

Assess the reliability of these conclusions.

(8 marks)

Answer lines are on the next four pages.

Turn over

11. (d) continued.

Turn over

11. (d) continued.

Turn over

11. (d) continued.

Turn over

11. (d) continued.

(Total for Question 11 = 18 marks)

TOTAL FOR SECTION C2 = 18 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER
