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						

V72570A

Pearson

YOU MUST HAVE

Calculator

YOU WILL BE GIVEN

Diagram Booklet

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.

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.

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.

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)

1. continued.

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

(2 marks)

(continued on the next page)

1. continued.

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

(2 marks)

(Total for Question 1 = 5 marks)

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)

2. continued.

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

(2 marks)

(continued on the next page)

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

2. (c) continued.

2

(Total for Question 2 = 8 marks)

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)

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)

3. (a) continued.

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

(1 mark)

(continued on the next page)

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

3. (b) continued.

benefit

(Total for Question 3 = 6 marks)

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)

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.

4. continued.

Turn over

4. continued.

4. continued.

4. continued.

(Total for Question 4 = 8 marks)

TOTAL FOR SECTION A = 27 MARKS

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.

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.

5. (a) continued.

(continued on the next page)

5. continued.

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

(4 marks)

Answer lines continue on the next page.

1 _____

_____

_____

_____

_____

_____

5. (b) continued.

2

(Total for Question 5 = 7 marks)

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)

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)

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)

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)

6. (b) continued.

_____%

(continued on the next page)

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

6. (c) continued.

2

(continued on the next page)

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

6. (d) continued.

(Total for Question 6 = 12 marks)

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.

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.

7. continued.

Turn over

7. continued.

Turn over

7. continued.

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

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

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)

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.

8. (a) (i) continued.

(continued on the next page)

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)

8. (a) continued.

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

(2 marks)

(continued on the next page)

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

8. (a) (iv) continued.

Secondary data source 2

8. (a) (iv) continued.

(continued on the next page)

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.

8. (b) continued.

8. (b) continued.

8. (b) continued.

8. (b) continued.

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

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)

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)

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)

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)

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)

9. (a) continued.

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

(2 marks)

(continued on the next page)

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

9. (a) (iv) continued.

Secondary data source 2

9. (a) (iv) continued.

(continued on the next page)

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.

9. (b) continued.

9. (b) continued.

9. (b) continued.

9. (b) continued.

9. (b) continued.

(Total for Question 9 = 18 marks)

TOTAL FOR SECTION C1 = 18 MARKS

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

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)

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)

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 _____

_____

_____

_____

_____

_____

10. (b) continued.

2 _____

_____

_____

_____

_____

_____

(continued on the next page)

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.

10. (c) continued.

Your enquiry question or hypothesis.

10. (c) continued.

(continued on the next page)

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)

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.

10. (d) continued.

10. (d) continued.

Turn over

10. (d) continued.

10. (d) continued.

(Total for Question 10 = 18 marks)

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

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)

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)

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 _____

_____

_____

_____

_____

_____

11. (b) continued.

2 _____

_____

_____

_____

_____

_____

(continued on the next page)

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.

11. (c) continued.

Your enquiry question or hypothesis.

11. (c) continued.

(continued on the next page)

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)

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.

11. (d) continued.

11. (d) continued.

Turn over

11. (d) continued.

11. (d) continued.

(Total for Question 11 = 18 marks)

TOTAL FOR SECTION C2 = 18 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER