

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

Total Marks

Geography B
Paper 2: UK Geographical Issues

Wednesday 5 June 2019 – Afternoon

Time: 1 hour 30 minutes plus your additional time allowance.

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

Diagram Book

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 or in the Diagram Book – there may be more space than you need.

Where asked 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, grammar
and use of specialist terminology are clearly indicated.**

There may be spare copies of some diagrams.

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 space provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

1. Study Figure 1 in the Diagram Book.

It shows a diagram of changes to a landscape in southern England.

(a) Identify which ONE of the following is the most likely reason why this landscape has changed.

A Weathering

B Volcanic eruptions

C Sea-level rise

D River erosion

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

(b) Identify which ONE of the following is a weathering process.

A Freeze–thaw

B Abrasion

C Deposition

D Slumping

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

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

(2 marks)

(Total for Question 1 = 4 marks)

Coastal Change and Conflict

2. (a) Study Figure 2 in the Diagram Book.

It shows waves on the coastline of Cornwall.

(i) State the type of waves shown.

(1 mark)

(continued on the next page)

2. (a) continued.

(ii) Identify which ONE of the following is the most likely cause of waves such as these.

A a long fetch across the Atlantic Ocean

B soft rocks that are easily eroded

C a short fetch across the North Sea

D a period of very cold weather

Answer

(1 mark)

(continued on the next page)

Turn over

2. continued.

(b) Explain ONE reason why there may be an increase in the frequency of storms in the future.

(2 marks)

(continued on the next page)

2. continued.

(c) Explain the difference between concordant and discordant coastlines. You may use a diagram to help your answer.

(4 marks)

Answer space and lines continue on the next page.

2. (c) continued.

[illegible]

(Total for Question 2 = 8 marks)

Turn over

River Processes and Pressures

3. Study Figure 3 in the Diagram Book.

It shows a photograph of the River Severn in Shropshire.

(a) Identify which ONE of the following is the best description of the river landforms shown.

A Waterfalls

B Rapids

C Meanders

D Deltas

Answer

(1 mark)

(continued on the next page)

Turn over

3. continued.

(b) Explain ONE way in which rivers transport their load.

(2 marks)

(continued on the next page)

3. continued.

**(c) Explain TWO differences between upper course
and lower course river landscapes.**

(4 marks)

1 _____

2 _____

(Total for Question 3 = 7 marks)

Investigating a UK Geographical Issue

4. Analyse Figure 4a and Figure 4b in the Diagram Book.

They show data about the distribution of igneous and metamorphic rocks in the British Isles and its relief.

Figure 4a shows the distribution of igneous and metamorphic rocks in the British Isles.

Figure 4b shows the relief of the British Isles.

Assess the influence of geology on the landscape of the UK.

(8 marks)

Answer lines continue on the next three pages.

Turn over

4. continued.

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Turn over

4. continued.

[illegible]

Turn over

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 in this section. Write your answers in the space provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

5. (a) Study Figure 5 in the Diagram Book.

It shows which age groups are dominant (in the majority) in different areas of the UK.

(i) Identify which ONE of the countries of the UK is dominated by Generation X

A Northern Ireland

B England

C Scotland

D Wales

Answer

(1 mark)

(continued on the next page)

Turn over

5. (a) continued.

(ii) Calculate the percentage of areas dominated by 'Baby Boomers'.

Answer to ONE decimal place.

You must show your working in the space below.

(2 marks)

_____ %

(continued on the next page)

Turn over

5. (a) continued.

(iii) State TWO reasons for the distribution of
the areas dominated by Generation Y
(2 marks)

1 _____

2 _____

(b) Explain ONE reason for the growth of tertiary
employment in the UK.
(2 marks)

(Total for Question 5 = 7 marks)

Turn over

Dynamic UK Cities

6. (a) Study Figure 6 in the Diagram Book.

It shows a map of a UK city showing building height.

(i) Identify which ONE of the following is most likely to be the location of the city centre.

A south–west corner of the map

B north–west corner of the map

C centre of the map

D north–east corner of the map

Answer

(1 mark)

(continued on the next page)

Turn over

6. (a) continued.

(ii) Identify the most likely function of buildings which are under **10** metres in height.

(1 mark)

(iii) Explain **ONE** reason why building height varies in urban areas.

(2 marks)

(continued on the next page)

6. continued.

(b) For a UK city that you have studied, explain
ONE positive and ONE negative effect of
regeneration.

(4 marks)

Answer lines continue on the next page.

Named UK city

Positive effect

6. (b) continued.

Negative effect

(c) For a named UK city, explain ONE way in which migration has changed its population.

(4 marks)

Answer lines continue on the next page.

Named UK city

6. (c) continued.

(Total for Question 6 = 12 marks)

Investigating a UK Geographical Issue

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

7. Analyse the information in Figure 7 in the Diagram Book.

It shows information about what happens to graduates at selected UK universities when they complete their studies.

Assess the possible causes and consequences of this movement of graduates.

(8 marks)

Answer lines continue on the next two pages.

7. continued.

[illegible]

Turn over

7. continued.

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(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 spaces provided.

Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.

If you answer Question 8 put a cross in this box

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Turn over

Investigating Coastal Change and Conflict

8. (a) Study Figure 8 in the Diagram Book.

It shows photographs of the two beaches chosen by a group of students studying the impact of coastal management on coastal processes at two different locations.

- The students chose to measure beaches at two different locations.
- The chosen locations are about 10 km apart with Location **A** on a south–east facing coastline and Location **B** on a south–west facing coastline.
- At each location they selected three sites to carry out their beach profiles.
- They intended to measure beach gradient and sediment characteristics.

(continued on the next page)

Turn over

8. (a) continued.

(i) Suggest an enquiry question or hypothesis that the students might have proposed for their investigation.

(2 marks)

(continued on the next page)

8. (a) continued.

(ii) Suggest TWO problems that the students' choice of locations may have caused for data collection.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

8. (a) continued.

(iii) Explain how the use of Ordnance Survey (OS) maps might have helped the students choose their two beach locations and the three sites on each of those beaches to carry out the profiles.

(4 marks)

(continued on the next page)

Turn over

8. continued.

(b) You have carried out your own fieldwork investigating how and why coastal management impacts on coastal processes.

Name your coastal fieldwork location:

Assess the accuracy and reliability of the results of your investigation.

(8 marks)

Answer lines continue on the next two pages.

Turn over

8. (b) continued.

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Turn over

8. (b) continued.

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(Total for Question 8 = 18 marks)

Turn over

Do not answer Question 9 if you have answered Question 8.

If you answer Question 9 put a cross in this box

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Investigating River Processes and Pressures

9. (a) Study Figure 9 in the Diagram Book.

It shows photographs of the two access points chosen by a group of students studying river channel changes on a river at two different locations.

- The students chose to measure river channels at two different locations.
- The chosen locations are about 10 km apart with Location **A** furthest upstream and Location **B** furthest downstream.
- At each location they selected three sites to carry out their channel measurements.
- They intended to measure channel width and channel depth.

(continued on the next page)

Turn over

9. (a) continued.

(i) Suggest an enquiry question or hypothesis that the students might have proposed for their investigation.

(2 marks)

(continued on the next page)

9. (a) continued.

(ii) Suggest TWO problems that the students' choice of locations may have caused for data collection.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

9. (a) continued.

(iii) Explain how the use of Ordnance Survey (OS) maps might have helped the students choose their two river locations and the three sites on each of those rivers to carry out their channel measurements.

(4 marks)

(continued on the next page)

Turn over

9. continued.

(b) You have carried out your own fieldwork investigating how and why drainage basin characteristics influence flood risk for people and property.

Name your river fieldwork location:

Assess the accuracy and reliability of the results of your investigation.

(8 marks)

Answer lines continue on the next two pages.

Turn over

9. (b) continued.

[illegible]

Turn over

9. (b) continued.

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(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 answers in the spaces provided.

Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.

If you answer Question 10 put a cross in this box

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Investigating Dynamic Urban Areas

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

Name your urban area:

- (a) Explain ONE way in which you used quantitative data to measure differences in the environmental quality of your chosen area.
(2 marks)

(continued on the next page)

Turn over

10. continued.

(b) Using an annotated diagram that shows ONE way in which you presented the results of your data collection, explain your results.

(4 marks)

Answer space and lines continue on the next two pages.

10. (b) continued.

Turn over

10. (b) continued.

(continued on the next page)

Turn over

10. continued.

(c) Explain how you would improve your data collection methods to increase their accuracy.

(4 marks)

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(continued on the next page)

Turn over

10. continued.

(d) In 2017 a group of students carried out a questionnaire in three different urban areas, one in the city centre, one in the suburbs and one in a rural settlement just inside the city boundary.

The interviews were conducted between 13:00 and 15:00 on a Thursday afternoon by asking people in the three different areas;

(a) if they were residents in that location and

(b) if they would be prepared to take part in a survey.

The students interviewed 30 residents in total, 13 in the city centre, 10 in the suburb and 7 in the rural settlement just inside the city boundary.

(continued on the next page)

Turn over

10. (d) continued.

The residents were asked to identify the THREE most important factors for them when they chose their current residence. The results are shown in Figure 10 in the Diagram Book.

The students concluded that housing cost and closeness to family and friends were the most important factors overall.

Assess the evidence for this conclusion.

(8 marks)

Answer lines continue on the next two pages.

10. (d) continued.

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Turn over

10. (d) continued.

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(Total for Question 10 = 18 marks)

Turn over

Do not answer Question 11 if you have 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 environment:

- (a) Explain ONE way in which you used quantitative data to measure differences in the environmental quality of your chosen area.
(2 marks)

(continued on the next page)

Turn over

11. continued.

(b) Using an annotated diagram that shows ONE way in which you presented the results of your data collection, explain your results.

(4 marks)

Answer space continues on the next two pages.

11. (b) continued.

11. (b) continued.

(continued on the next page)

Turn over

11. continued.

- (c) Explain how you would improve your data collection methods to increase their accuracy.
(4 marks)

(continued on the next page)

11. continued.

(d) In 2017 a group of students, divided into three groups, carried out a questionnaire in three different villages located 15 km (Village A), 25 km (Village B) and 35 km (Village C) from the city.

The interviews were conducted between 13 : 00 and 15 : 00 on a Thursday afternoon by asking people in the different villages;

(a) if they were residents in that village and

(b) if they would be prepared to take part in a survey.

The students interviewed 30 residents in total, 13 in Village A, 10 in Village B and 7 in Village C

(continued on the next page)

Turn over

11. (d) continued.

The interviewees were asked to identify the THREE most important factors to them when they chose their current residence. The results are shown in Figure 11 in the Diagram Book.

The students concluded that housing cost and closeness to family and friends were the most important factors overall.

Assess the evidence for this conclusion.

(8 marks)

Answer lines continue on the next two pages.

Turn over

11. (d) continued.

[illegible]

Turn over

11. (d) continued.

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(Total for Question 11 = 18 marks)

Turn over

TOTAL FOR SECTION C2 = 18 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER

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