

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					

Y56240A

YOU MUST HAVE
Calculator

YOU WILL BE GIVEN
Diagram Book

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 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.

Turn over

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 space provided.

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

Turn over

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)

Turn over

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)

Turn over

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)

Turn over

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 three pages.

Turn over

2. (c) continued.

Turn over

2. (c) continued.

Turn over

2. (c) continued.

(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.**

(continued on the next page)

Turn over

3. continued.

(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)

Turn over

3. continued.

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

(4 marks)

Answer lines continue on the next page.

1

Turn over

3. (c) continued.

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.

(continued on the next page)

Turn over

4. continued.

**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.

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 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.

Turn over

- 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.**

(continued on the next page)

5. (a) continued.

(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 and on the next page.

(2 marks)

Turn over

5. (a) (ii) continued.

_____ %

(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 _____

(continued on the next page)

Turn over

5. continued.

(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.**

(continued on the next page)

Turn over

6. (a) continued.

(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)**

(continued on the next page)

Turn over

6. (a) continued.

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

(2 marks)

(continued on the next page)

Turn over

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

Turn over

6. (b) continued.

Negative effect

(continued on the next page)

Turn over

6. continued.

**(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

Turn over

6. (c) continued.

(Total for Question 6 = 12 marks)

Turn over

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.

Turn over

- 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 four pages.

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 spaces
provided.**

Turn over

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

☐

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.**

(continued on the next page)

Turn over

8. (a) continued.

- **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)

Turn over

8. (a) continued.

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

(4 marks)

Answer lines continue on the next page.

1

Turn over

8. (a) (ii) continued.

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)

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

Turn over

8. (a) (iii) continued.

(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:

(continued on the next page)

Turn over

8. (b) continued.

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

(8 marks)

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

Turn over

8. (b) continued.

Turn over

8. (b) continued.

Turn over

8. (b) continued.

(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

☐

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.**

(continued on the next page)

Turn over

9. (a) continued.

- 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)

Turn over

9. (a) continued.

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

(4 marks)

Answer lines continue on the next page.

1

Turn over

9. (a) (ii) continued.

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)

Answer lines continue on the next page.

Turn over

9. (a) (iii) continued.

(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:

(continued on the next page)

Turn over

9. (b) continued.

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

(8 marks)

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

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 answers in the spaces
provided.**

Turn over

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

☐

Investigating Dynamic Urban Areas

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

Name your urban area:

(continued on the next page)

Turn over

10. continued.

(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 three pages.

Turn over

10. (b) continued.

Turn over

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)

Answer lines continue on the next page.

Turn over

10. (c) continued.

(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.

(continued on the next page)

Turn over

10. (d) continued.

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.

(continued on the next page)

Turn over

10. (d) continued.

**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.**

**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.**

(continued on the next page)

Turn over

10. (d) continued.

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 three pages.

Turn over

10. (d) continued.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Turn over

10. (d) continued.

[illegible]

Turn over

10. (d) continued.

(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:

(continued on the next page)

Turn over

11. continued.

**(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 three pages.

Turn over

11. (b) continued.

Turn over

11. (b) continued.

Turn over

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)

Answer lines continue on the next page.

Turn over

11. (c) continued.

(continued on the next page)

Turn over

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.

(continued on the next page)

Turn over

11. (d) continued.

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 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

Pearson Education Ltd. gratefully acknowledges all the following sources used in the preparation of this paper:

Figure 1 © Dorling Kindersley

Figure 2 © James Pearce/Shutterstock

Figure 3 © David Bagnall / Alamy Stock Photo

Figure 4b © Scilands.de

Figure 5 Sourced from: <https://www.sheffield.ac.uk/faculty/social-sciences/news/uk-generations-mapped->

Figure 6 © The GeoInformation Group

Figure 7 Sourced from: <http://www.centreforcities.org/reader/great-british-brain-drain/migration-students-graduates/>

Figure 8 Location A: © Nigel Pavitt/Getty Images

Figure 8 Location B: © ICP/Getty Images

Figure 9 © Rob Rayworth / Alamy Stock Photo

Every effort has been made to contact copyright holders to obtain their permission for the use of copyright material. Pearson Education Ltd. will, if notified, be happy to rectify any errors or omissions and include any such rectifications in future editions.