

Paper Reference 1GA0/03
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Total Marks

Geography A

Paper 3: Geographical Investigations: Fieldwork and UK Challenges

Thursday 11 June 2020 – Morning

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					

X62021A

YOU MUST HAVE

Calculator

YOU WILL BE GIVEN

Resource Book

Diagram Book

INSTRUCTIONS

In Section A answer EITHER Question 1 OR Question 2.

In Section B answer EITHER Question 3 OR Question 4.

In Section C answer ALL questions.

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.

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, 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.

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

SECTION A

Geographical Investigations – Physical Environments

Answer EITHER Question 1 OR Question 2 in this section.

Write your answers in the spaces provided.

Question 1: Investigating Physical Environments (Rivers)

If you answer Question 1 put a cross in this box

☐

1. (a) Study Figure 1a in the Diagram Book.

A group of students collected data to investigate changes at five sites along a river channel.

(i) Describe ONE fieldwork method that could be used by the students to measure river width.

(2 marks)

(continued on the next page)

1. (a) continued.

(ii) Explain ONE disadvantage of using this data collection method.

(2 marks)

(continued on the next page)

1. continued.

(b) Study Figure 1b in the Resource Book.

(i) Calculate the mean width of the river.

Give your answer to two decimal places.

You must show your working in the space below.

(2 marks)

_____ metres

(continued on the next page)

Turn over

1. (b) continued.

(ii) Explain ONE conclusion that could be drawn from the data in Figure 1b.

(2 marks)

(continued on the next page)

1. continued.

(c) Study Figure 1c in the Diagram Book.

The students measured sediment size at each site and presented data in a bar chart.

Plot the data from the table below on to Figure 1c in the Diagram Book.

(2 marks)

Survey site	Mean sediment size (mm)
Site 3	80
Site 4	60

(continued on the next page)

1. continued.

(d) You have studied a river as part of your geographical investigation.

Evaluate the effectiveness of the different techniques used to present your fieldwork data.

(8 marks)

Answer lines continue on the next two pages.

Title of your geographical investigation

Turn over

1. (d) continued.

[illegible]

1. (d) continued.

[illegible]

(Total for Question 1 = 18 marks)

Turn over

Do not answer Question 2 if you have answered Question 1.

Question 2: Investigating Physical Environments (Coasts)

If you answer Question 2 put a cross in this box

☐

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

A group of students collected data to investigate coastal processes at five sites along a coast.

(i) Describe ONE fieldwork method that could be used by the students to measure beach gradient.

(2 marks)

(continued on the next page)

2. (a) continued.

(ii) Explain ONE disadvantage of using this data collection method.

(2 marks)

(continued on the next page)

2. continued.

(b) Study Figure 2b in the Resource Book.

(i) Calculate the mean sediment size.

Give your answer to one decimal place.

You must show your working in the space below.

(2 marks)

_____ mm

(continued on the next page)

Turn over

2. (b) continued.

(ii) Explain ONE conclusion that could be drawn from the data in Figure 2b.

(2 marks)

(continued on the next page)

2. continued.

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

The students measured sediment size at each site and presented data in a bar chart.

Plot the data from the table below on to Figure 2c in the Diagram Book.

(2 marks)

Survey site	Mean sediment size (mm)
Site 3	3
Site 4	2

(continued on the next page)

2. continued.

(d) You have studied a coast as part of your geographical investigation.

Evaluate the effectiveness of the different techniques used to present your fieldwork data.

(8 marks)

Answer lines continue on the next two pages.

Title of your geographical investigation

2. (d) continued.

[illegible]

Turn over

2. (d) continued.

[illegible]

(Total for Question 2 = 18 marks)

TOTAL FOR SECTION A = 18 MARKS

Turn over

SECTION B**Geographical Investigations – Human Landscapes**

Answer EITHER Question 3 OR Question 4 in this section.

Write your answers in the spaces provided.

**Question 3: Investigating Human Landscapes
(Central/Inner Urban Area)**

If you answer Question 3 put a cross in this box

☐

3. (a) You have studied an urban area as part of your own fieldwork.

(i) Explain ONE reason why you used a qualitative fieldwork method.

(2 marks)

Named qualitative fieldwork method

(continued on the next page)

3. (a) continued.

(ii) Explain ONE disadvantage of this qualitative fieldwork method.

(2 marks)

(b) State ONE risk that you considered before collecting your urban fieldwork data.

(1 mark)

(continued on the next page)

3. continued.

(c) Explain ONE advantage of a sampling strategy you used to collect your data.

Use evidence from your own fieldwork in your answer.

(2 marks)

Named sampling strategy

(continued on the next page)

3. continued.

(d) Explain ONE way in which the secondary data that you collected helped your urban investigation.

(3 marks)

Named secondary source

(continued on the next page)

3. continued.

(e) Study Figures 3a and 3b in the Resource Book.

Using both Figures 3a and 3b, assess the conclusions that might be drawn from this urban investigation.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

Turn over

3. (e) continued.

[illegible]

Turn over

3. (e) continued.

[illegible]

(Total for Question 3 = 18 marks)

Turn over

Do not answer Question 4 if you have answered Question 3.

**Question 4: Investigating Human Landscapes
(Rural Settlements)**

**If you answer Question 4 put a cross in this
box**

☐

4. (a) You have studied a rural settlement as part of your own fieldwork.

(i) Explain ONE reason why you used a qualitative fieldwork method.

(2 marks)

Named qualitative fieldwork method

(continued on the next page)

4. (a) continued.

(ii) Explain ONE disadvantage of this qualitative fieldwork method.

(2 marks)

(b) State ONE risk that you considered before collecting your rural fieldwork data.

(1 mark)

(continued on the next page)

4. continued.

(c) Explain ONE advantage of a sampling strategy you used to collect your data.

Use evidence from your own fieldwork in your answer.

(2 marks)

Named sampling strategy

(continued on the next page)

4. continued.

(d) Explain ONE way in which the secondary data that you collected helped your rural investigation.

(3 marks)

Named secondary source

(continued on the next page)

4. continued.

(e) Study Figures 4a and 4b in the Resource Book.

Using both Figures 4a and 4b, assess the conclusions that might be drawn from this rural investigation.

(8 marks)

Answer lines continue on the next two pages.

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4. (e) continued.

[illegible]

Turn over

4. (e) continued.

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(Total for Question 4 = 18 marks)

TOTAL FOR SECTION B = 18 MARKS

SECTION C

UK Challenges

Answer ALL questions in this section.

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

Write your answers in the spaces provided.

Spelling, punctuation, grammar and specialist terminology will be assessed in Question 5(f).

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

Identify the offshore wind energy capacity in 2015.

A 2000 megawatts

B 3000 megawatts

C 4000 megawatts

D 5000 megawatts

Answer

(1 mark)

(continued on the next page)

5. continued.

(b) State TWO impacts of climate change on
landscapes in the UK.

(2 marks)

1 _____

2 _____

(continued on the next page)

5. continued.

- (c) The UK government has increased the use of renewable energy.**

In 2011, UK energy use from renewables was equivalent to burning 1·9 million tonnes of oil whereas in 2017 it was 5·7 million tonnes.

Calculate the percentage (%) increase in energy use from renewables between 2011 and 2017.

Give your answer to the nearest whole number.

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

(2 marks)

5. (c) continued.

_____ %

(continued on the next page)

5. continued.

(d) Explain TWO impacts of climate change on people in the UK.

(4 marks)

1 _____

2 _____

(continued on the next page)

5. continued.

(e) One response to climate change in the UK is the development of sustainable transport schemes.

Explain ONE example of a sustainable transport scheme in the UK.

(3 marks)

(continued on the next page)

5. continued.

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

- (f) Use the information from the Resource Book (Figures 5a to 5d) as well as knowledge and understanding from the rest of your geography course.**

‘The use of local scale responses is less important than national scale responses in tackling the challenges of climate change in the UK.’

Discuss this view.

(12 marks)

Answer lines continue on the next four pages.

Turn over

5. (f) continued.

[illegible]

Turn over

5. (f) continued.

[illegible]

Turn over

5. (f) continued.

[illegible]

Turn over

5. (f) continued.

(Total for spelling, punctuation, grammar and use of specialist terminology = 4 marks)

(Total for Question 5 = 28 marks)

TOTAL FOR SECTION C = 28 MARKS

TOTAL FOR PAPER = 64 MARKS

END OF PAPER
