

Paper Reference 4GE1/02
Pearson Edexcel
International GCSE (9–1)

Total Marks

Geography
Paper 2: Human Geography

Wednesday 3 June 2020 – Afternoon

Time: 1 hour 45 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					

X61982A

YOU MUST HAVE

Calculator

YOU WILL BE GIVEN

Resource Book

INSTRUCTIONS

In Section A, answer TWO questions from Questions 1, 2 AND 3

In Section B, answer ONE question from Questions 4, 5 AND 6

In Section C, answer ONE question from Questions 7, 8 AND 9

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

Calculators may be used.

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 105

**The marks for EACH question are shown in brackets
– use this as a guide as to how much time to spend on
each question.**

ADVICE

**Read each question carefully before you start to
answer it.**

Check your answers if you have time at the end.

SECTION A

Answer TWO questions from this section.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) 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 1 put a cross in this box

☐

1. Economic activity and energy

(a) Identify the meaning of the term biomass energy.

A energy from seawater

B energy from freshwater

C energy from plants

D energy from the sun

Answer

(1 mark)

(continued on the next page)

1. continued.

(b) Define the term **energy conservation**.

(1 mark)

(c) Identify one **non-renewable** source of energy.

A hydroelectric power

B wind power

C solar power

D burning natural gas

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

(d) Study Figure 1a in the Resource Book.

**Suggest ONE reason for the choice of
economic activity in this location.**

(2 marks)

(e) State ONE example of primary employment.

(1 mark)

(continued on the next page)

1. continued.

(f) Explain TWO ways that there is a link between population and resource consumption.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

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

**Suggest ONE reason for the changes in
manufacturing employment shown in Figure 1b.
(3 marks)**

(continued on the next page)

1. continued.

(h) For a named megacity, explain TWO causes of informal employment.

(4 marks)

Named megacity

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

(i) Study Figure 1c in the Resource Book.

Analyse the reasons for the past and predicted changes in the global energy mix.

(8 marks)

Answer lines continue on the next page.

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1. (i) continued.

[illegible]

(Total for Question 1 = 25 marks)

Turn over

If you answer Question 2 put a cross in this box

☐

2. Rural environments

(a) Identify the meaning of the term **suburbanisation**.

- A** the outward growth of urban development
- B** population movement from rural to urban areas
- C** increasing movement of people from urban to rural areas
- D** population movement from the suburbs to the countryside

Answer

(1 mark)

(continued on the next page)

2. continued.

(b) Define the term **negative multiplier effect**.
(1 mark)

(c) Identify the meaning of the term **IGO**.

- A** intergovernmental organisation
- B** national government organisation
- C** international government operation
- D** non-governmental organisation

Answer

(1 mark)

(continued on the next page)

Turn over

2. continued.

(d) Study Figure 2a in the Resource Book.

Suggest ONE physical factor that could have influenced the choice of farming system shown in Figure 2a.

(2 marks)

(e) State ONE way that farmers can improve crop yields.

(1 mark)

(continued on the next page)

Turn over

2. continued.

(f) Explain TWO reasons why there has been a decline in farm employment in some developed countries.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

2. continued.

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

**Suggest ONE reason for a trend shown in
Figure 2b.**

(3 marks)

(continued on the next page)

2. continued.

(h) For a named **developed** country, explain **TWO** different farming diversification strategies.

(4 marks)

Named developed country

1 _____

2 _____

(continued on the next page)

Turn over

2. continued.

(i) Study Figure 2c in the Resource Book.

Analyse the role of temperature and precipitation on the distribution of different biomes.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

2. (i) continued.

[illegible]

Turn over

2. (i) continued.

(Total for Question 2 = 25 marks)

If you answer Question 3 put a cross in this box

☐

3. Urban environments

(a) Identify the meaning of the term **urbanisation**.

- A** population movement from one urban area to another
- B** population movement from one country to another
- C** increasing population growth on the edge of urban areas
- D** increasing proportion of people living in urban areas

Answer

(1 mark)

(continued on the next page)

3. continued.

(b) Define the term **rural–urban fringe**.

(1 mark)

(c) Identify the meaning of the term **brownfield site**.

A a location that has been previously built on

B a location that has high–rise development

C a location that has illegally built housing

D a location that has never been built on

Answer

(1 mark)

(continued on the next page)

Turn over

3. continued.

(d) Study Figure 3a in the Resource Book.

Suggest ONE piece of evidence that shows this urban area may experience problems associated with rapid urbanisation.

(2 marks)

(e) State ONE example of a group involved in managing urban challenges.

(1 mark)

(continued on the next page)

Turn over

3. continued.

(f) Explain TWO reasons why urban land values vary.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(g) Study Figure 3b in the Resource Book.

Suggest ONE reason for the change in the number of city ‘public–use bicycles’.

(3 marks)

(continued on the next page)

3. continued.

(h) For a named developing or emerging country, explain how health and education have been improved in the urban environment.

(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

Health

Education

Turn over

3. (h) continued.

(continued on the next page)

3. continued.

(i) Study Figure 3c in the Resource Book.

**Analyse the factors leading to the different
patterns of urbanisation shown in Figure 3c.**

(8 marks)

Answer lines continue on the next two pages.

3. (i) continued.

[illegible]

Turn over

3. (i) continued.

(Total for Question 3 = 25 marks)

TOTAL FOR SECTION A = 50 MARKS

SECTION B**Geographical enquiry**

Answer ONE question only from this section.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) 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 4 put a cross in this box

☐

4. Investigating economic activity and energy

You have studied economic activity and energy as part of your own geographical enquiry.

State the title of your geographical enquiry.

(continued on the next page)

4. continued.

(a) (i) State ONE type of primary data you used in your geographical enquiry.

(1 mark)

(ii) Explain ONE way this primary data helped you when investigating economic activity and energy.

(2 marks)

(continued on the next page)

4. continued.

(b) State the location of your geographical enquiry.

Explain ONE reason why this location was suitable for your geographical enquiry.

(2 marks)

(continued on the next page)

4. continued.

(c) Explain ONE way you used **secondary** data to support your geographical enquiry.

(3 marks)

(continued on the next page)

4. continued.

(d) Explain TWO techniques you used to analyse some of your fieldwork data.

(4 marks)

1 _____

2 _____

(continued on the next page)

4. continued.

- (e) Study Figures 4a and 4b in the Resource Book. They show an extract from a student's conclusion and evaluation into the changing use of energy, and an annotated photograph.**

The aim of the student's enquiry was to investigate the attitudes towards the changing energy use in a rural area of Cornwall, UK.

The student carried out a questionnaire, environmental quality survey and took photographs, which the student annotated.

Evaluate the student's written conclusion, evaluation and annotated photograph.

(8 marks)

Answer lines continue on the next two pages.

Turn over

4. (e) continued.

[illegible]

Turn over

4. (e) continued.

[illegible]

(Total for Question 4 = 20 marks)

Turn over

If you answer Question 5 put a cross in this box

☐

5. Investigating rural environments

You have studied rural environments as part of your own geographical enquiry.

State the title of your geographical enquiry.

(continued on the next page)

5. continued.

(a) (i) State ONE type of primary data you used in your geographical enquiry.

(1 mark)

(ii) Explain ONE way this primary data helped you when investigating rural environments.

(2 marks)

(continued on the next page)

5. continued.

(b) State the location of your geographical enquiry.

Explain ONE reason why this location was suitable for your geographical enquiry.

(2 marks)

(continued on the next page)

5. continued.

(c) Explain ONE way you used secondary data to support your geographical enquiry.

(3 marks)

(continued on the next page)

5. continued.

(d) Explain TWO techniques you used to analyse some of your fieldwork data.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

5. continued.

(e) Study Figures 5a and 5b in the Resource Book. They show an extract from a student's conclusion and evaluation into the changing use of rural environments, and an annotated photograph.

The aim of the student's enquiry was to investigate the attitudes towards the changing use of rural areas in Dorset, UK.

The student carried out a questionnaire, environmental quality survey and took photographs, which the student annotated.

Evaluate the student's written conclusions, evaluation and annotated photograph.

(8 marks)

Answer lines continue on the next two pages.

Turn over

5. (e) continued.

[illegible]

Turn over

5. (e) continued.

[illegible]

(Total for Question 5 = 20 marks)

Turn over

If you answer Question 6 put a cross in this box

☐

6. Investigating urban environments

You have studied the use of central/inner urban environments as part of your own geographical enquiry.

State the title of your geographical enquiry.

(continued on the next page)

6. continued.

(a) (i) State ONE type of primary data you used in your geographical enquiry.

(1 mark)

(ii) Explain ONE way this primary data helped you when investigating urban environments.

(2 marks)

(continued on the next page)

6. continued.

(b) State the location of your geographical enquiry.

Explain ONE reason why this location was suitable for your geographical enquiry.

(2 marks)

(continued on the next page)

6. continued.

(c) Explain ONE way you used **secondary** data to support your geographical enquiry.

(3 marks)

(continued on the next page)

6. continued.

(d) Explain TWO techniques you used to analyse some of your fieldwork data.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

6. continued.

- (e) Study Figures 6a and 6b in the Resource Book. They show an extract from a student's conclusion and evaluation into the changing use of urban environments, and an annotated photograph.**

The aim of the student's enquiry was to investigate the attitudes towards the changing use of urban areas in Birmingham, UK.

The student carried out a questionnaire, environmental quality survey and took photographs, which the student annotated.

Evaluate the student's written conclusions, evaluation and annotated photograph.

(8 marks)

Answer lines continue on the next two pages.

Turn over

6. (e) continued.

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Turn over

6. (e) continued.

[illegible]

(Total for Question 6 = 20 marks)

TOTAL FOR SECTION B = 20 MARKS

Turn over

SECTION C**Global issues**

Answer ONE question only from this section.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) 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 7 put a cross in this box

☐

7. Fragile environments and climate change

(a) (i) Identify ONE human cause of climate change.

A Milankovitch cycles

B intensive farming

C volcanoes

D sun-spot cycles

Answer

(1 mark)

(continued on the next page)

7. (a) continued.

(ii) Identify ONE cause of deforestation.

A planting of trees

B sustainable forest management

C lowering of sea levels

D significant increase in mining

Answer

(1 mark)

(continued on the next page)

7. continued.

- (b) (i) Define the term *global climate change*.
(1 mark)**

- (ii) Study Figure 7a Part 1 in the Resource Book.**

Identify TWO countries labelled, ONE with the highest and ONE with the lowest total carbon emissions.

(2 marks)

Highest _____

Lowest _____

(continued on the next page)

7. (b) continued.

(iii) Study Figure 7a Part 2 in the Resource Book.

**Suggest TWO possible reasons for the
pattern shown.**

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

7. continued.

(c) Explain TWO causes of desertification.
(4 marks)

1 _____

2 _____

(continued on the next page)

7. continued.

(d) Study Figure 7b in the Resource Book.

(i) Calculate the mean change in global forest area, 1990–2015.

You must show all your workings in the space below.

**Give your answer to one decimal place.
(2 marks)**

(continued on the next page)

Turn over

7. (d) continued.

- (ii) Describe the differences in the changes in global forest area for Europe and Central Asia, and Latin America.**
(2 marks)

(continued on the next page)

7. continued.

(e) Study Figure 7c in the Resource Book.

Assess the different climate change impacts.

(6 marks)

Answer lines continue on the next page.

7. (e) continued.

(continued on the next page)

7. continued.

(f) Discuss the view:

‘The places which contribute the most to climate change will be the places that suffer the least from climate change.’

Use Figures 7a and 7c from the Resource Book and your own knowledge and understanding to support your answer.

(12 marks)

Answer lines continue on the next three pages.

7. (f) continued.

[illegible]

Turn over

7. (f) continued.

[illegible]

Turn over

7. (f) continued.

(Total for Question 7 = 35 marks)

If you answer Question 8 put a cross in this box

☐

8. Globalisation and migration

(a) (i) Identify **ONE** role of the **IMF**
(International Monetary Fund).

- A** promote financial cooperation between countries
- B** increase global inequality
- C** promote waste recycling
- D** increase tensions between member countries

Answer

(1 mark)

(continued on the next page)

8. (a) continued.

(ii) Identify the meaning of the term
voluntary migration.

A short-term movement of people within
a country

B temporary movement of people from
one place to another

C people holidaying overseas

D people choosing to move from
one place to another

Answer

(1 mark)

(continued on the next page)

8. continued.

(b) (i) Define the term mass tourism.

(1 mark)

(ii) Study Figure 8a in the Resource Book.

**Identify TWO countries labelled in
Figure 8a, ONE with the highest and
ONE with the lowest trade per person.**

(2 marks)

Highest _____

Lowest _____

(continued on the next page)

8. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown in Figure 8a.

(4 marks)

1 _____

2 _____

(continued on the next page)

8. continued.

(c) Explain TWO negative impacts of the rise of global tourism.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

8. continued.

(d) Study Figure 8b Part 1 in the Resource Book.

(i) Calculate the mean tourist spending, for all countries, in 2016.

You must show all your workings in the space below.

**Give your answer to one decimal place.
(2 marks)**

(continued on the next page)

Turn over

8. (d) continued.

(ii) Study Figure 8b Part 2 in the Resource Book.

**Describe the changes in tourist spending
for China between 1995 and 2016.**

(2 marks)

(continued on the next page)

8. continued.

(e) Study Figure 8c in the Resource Book.

Assess the factors that have contributed to globalisation.

(6 marks)

Answer lines continue on the next page.

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8. (e) continued.

(continued on the next page)

8. continued.

(f) Discuss the view:

‘Variations in globalisation and trade are most strongly influenced by the role of global institutions.’

Use Figures 8a and 8c from the Resource Book and your own knowledge and understanding to support your answer.

(12 marks)

Answer lines continue on the next three pages.

8. (f) continued.

[illegible]

Turn over

8. (f) continued.

[illegible]

Turn over

8. (f) continued.

(Total for Question 8 = 35 marks)

If you answer Question 9 put a cross in this box

☐

9. Development and human welfare

(a) (i) Identify ONE factor that could be used as a measure of development.

A participation in local sporting events

B the availability of water

C index of political corruption

D the amount of bottom–up development

Answer

(1 mark)

(continued on the next page)

9. (a) continued.

(ii) Identify the meaning of the term **HDI**.

A Human Development Importance

B High Dependency Index

C High Development Index

D Human Development Index

Answer

(1 mark)

(continued on the next page)

9. continued.

- (b) (i) Define the term *water security*.
(1 mark)**

- (ii) Study Figure 9a in the Resource Book.**

**Identify TWO countries labelled in
Figure 9a, ONE with the highest and
ONE with the lowest income inequality.
(2 marks)**

Highest _____

Lowest _____

(continued on the next page)

9. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown in Figure 9a.

(4 marks)

1 _____

2 _____

(continued on the next page)

9. continued.

(c) Explain TWO advantages of bottom–up development.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

9. continued.

(d) Study Figure 9b Part 1 in the Resource Book.

(i) Calculate the mean percentage change in GDP for 2014 for the regions shown in Figure 9b.

You must show all your workings in the space below.

**Give your answer to one decimal place.
(2 marks)**

(continued on the next page)

Turn over

9. (d) continued.

(ii) Study Figure 9b Part 2 in the Resource Book.

Describe the differences in GDP for
2014–2018.

(2 marks)

(continued on the next page)

9. continued.

(e) Study Figure 9c in the Resource Book.

**Assess the different factors that have
contributed to uneven global development.**

(6 marks)

Answer lines continue on the next page.

Turn over

9. (e) continued.

(continued on the next page)

9. continued.

(f) Discuss the view:

‘There is no single indicator that can be used to effectively measure development and human welfare.’

Use Figures 9a and 9c from the Resource Book and your own knowledge and understanding to support your answer.

(12 marks)

Answer lines continue on the next three pages.

9. (f) continued.

[illegible]

Turn over

9. (f) continued.

[illegible]

Turn over

9. (f) continued.

(Total for Question 9 = 35 marks)

TOTAL FOR SECTION C = 35 MARKS

TOTAL FOR PAPER = 105 MARKS

END OF PAPER
