

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

Total Marks

Geography
PAPER 2: Human geography

Wednesday 5 June 2024 – Morning

Time: 1 hour 45 minutes

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

Resource Booklet

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.

If you answer Question 1, put a cross in this box

☐

1. Economic activity and energy

(a) Identify which employment sector a school teacher belongs to.

A primary

B secondary

C tertiary

D quaternary

Answer

(1 mark)

(continued on the next page)

1. continued.

(b) (i) Identify ONE cause of employment in the informal sector.

A access to pensions

B lack of qualifications

C population decline

D reliable income

Answer

(1 mark)

(ii) State ONE job that can be found in the informal sector.

(1 mark)

(continued on the next page)

Turn over

1. continued.

(c) Study Figure 1a in the Resource Booklet.

**Suggest ONE reason why the activities shown
are part of the primary sector.**

(2 marks)

**(d) State ONE reason for a decline in employment
in the primary sector in many countries.**

(1 mark)

(continued on the next page)

Turn over

1. continued.

(e) For a named developing or emerging country, explain ONE positive and ONE negative impact of an economic sector shift.

(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

Positive

1. (e) continued.

Negative

(continued on the next page)

1. continued.

(f) Study Figure 1b in the Resource Booklet.

Suggest ONE possible reason for a trend in the levels of investment shown.

(3 marks)

(continued on the next page)

1. continued.

(g) Explain ONE advantage and ONE disadvantage of using hydroelectric power (HEP) to generate electricity.

(4 marks)

Advantage

Disadvantage

(continued on the next page)

Turn over

1. continued.

(h) Study Figure 1c in the Resource Booklet.

Analyse the reasons for differences in the energy mix of these two regions.

You **MUST** refer to the resource in your answer.
(8 marks)

Answer lines continue on the next two pages.

1. (h) continued.

[illegible]

Turn over

1. (h) continued.

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(Total for Question 1 = 25 marks)

If you answer Question 2, put a cross in this box

☐

2. Rural environments

(a) (i) Identify the best definition of a biome.

- A** a community of animals which are connected through a food web
- B** a community of animals and plants occupying a major habitat
- C** a habitat where weather conditions change all year around
- D** a habitat that is affected by human activity

Answer

(1 mark)

(ii) State ONE characteristic of a desert biome.
(1 mark)

(continued on the next page)

Turn over

2. continued.

(b) Study Figure 2a in the Resource Booklet.

**Explain ONE factor that can affect the
distribution of biomes.**

(2 marks)

(continued on the next page)

2. continued.

(c) Identify the best definition of arable farming.

A farming that grows trees

B farming that produces crops

C farming that specialises in rearing fish

D farming that specialises in rearing livestock

Answer

(1 mark)

(d) State ONE way commercial farming can affect rural environments.

(1 mark)

(continued on the next page)

Turn over

2. continued.

(e) Explain TWO reasons accessibility is important in rural environments.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

2. continued.

(f) Study Figure 2b in the Resource Booklet.

Suggest ONE reason why diversification is important for farmers, using the information shown.

(3 marks)

(continued on the next page)

2. continued.

(g) For a named developed country, explain
TWO ways tourist pressures can affect rural
areas.

(4 marks)

Answer lines continue on the next page.

Named developed country

1

2

2. (g) continued.

(continued on the next page)

2. continued.

(h) Study Figure 2c in the Resource Booklet.

Analyse the importance of natural ecosystems for the provision of goods.

**You MUST refer to the resource in your answer.
(8 marks)**

Answer lines continue on the next two pages.

2. (h) continued.

[illegible]

2. (h) continued.

[illegible]

(Total for Question 2 = 25 marks)

If you answer Question 3, put a cross in this box

☐

3. Urban environments

(a) (i) Identify which **ONE** of the following cities is a megacity.

A Chennai, India – 11·9 million people

B Luanda, Angola – 7·8 million people

C Rome, Italy – 4·3 million people

D Toronto, Canada – 6·4 million people

Answer

(1 mark)

(ii) Define the term **suburbanisation**.

(1 mark)

(continued on the next page)

Turn over

3. continued.

(b) Identify ONE reason for building on the rural–urban fringe.

A to support biodiversity in the area

B to preserve the greenbelt

C population growth

D to be close to the Central Business District (CBD)

Answer

(1 mark)

(continued on the next page)

3. continued.

(c) Study Figure 3a in the Resource Booklet.

Suggest ONE reason for a type of land use that could be found in the urban area shown.

(2 marks)

(d) State ONE group of stakeholders who can help improve the quality of life in urban areas.

(1 mark)

(continued on the next page)

3. continued.

(e) Explain TWO challenges caused by the informal economy in cities.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(f) Study Figure 3b in the Resource Booklet.

Suggest ONE way rapid urbanisation could have affected a trend shown.

(3 marks)

(continued on the next page)

3. continued.

(g) For a named developing or emerging country, explain TWO ways transport has been improved in urban areas.

(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

1

2

3. (g) continued.

(continued on the next page)

3. continued.

(h) Study Figure 3c in the Resource Booklet.

Analyse the possible reasons for the changes shown.

You **MUST** refer to the resource in your answer.
(8 marks)

Answer lines continue on the next two pages.

3. (h) continued.

[illegible]

Turn over

3. (h) continued.

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(Total for Question 3 = 25 marks)

TOTAL FOR SECTION A = 50 MARKS

SECTION B**Geographical enquiry**

Answer ONE question only from this section.

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 potential risk that you managed as part of your enquiry.

(1 mark)

(ii) Explain ONE factor that affected the decision on the sites you chose to collect your data.

(2 marks)

(continued on the next page)

4. continued.

(b) Explain ONE way secondary data was used to support your enquiry.

(2 marks)

(continued on the next page)

4. continued.

- (c) Explain ONE advantage and ONE disadvantage of a data presentation technique you used in your geographical enquiry.
(4 marks)**

Advantage

Disadvantage

(continued on the next page)

Turn over

4. continued.

(d) Suggest ONE reason the conclusions from your enquiry were reliable.

(3 marks)

(continued on the next page)

4. continued.

- (e) Study Figures 4a and 4b in the Resource Booklet. They show some of the equipment chosen and some of the data collection methods used, including an interview guide.**

The aim of the student's enquiry was to investigate local residents' attitudes to the construction of a new wind farm on the edge of Berlin, Germany.

Evaluate the choice of equipment and the data collection methods used.

You MUST refer to the resources in your answer.

(8 marks)

Answer lines continue on the next three pages.

Turn over

4. (e) continued.

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Turn over

4. (e) continued.

[illegible]

Turn over

4. (e) continued.

(Total for Question 4 = 20 marks)

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 potential risk that you managed as part of your enquiry.

(1 mark)

(ii) Explain ONE factor that affected the decision on the sites you chose to collect your data.

(2 marks)

(continued on the next page)

5. continued.

(b) Explain ONE way secondary data was used to support your enquiry.

(2 marks)

(continued on the next page)

5. continued.

(c) Explain ONE advantage and ONE disadvantage of a data presentation technique you used in your enquiry.

(4 marks)

Advantage

Disadvantage

(continued on the next page)

Turn over

5. continued.

(d) Suggest ONE reason the conclusions from your enquiry were reliable.

(3 marks)

(continued on the next page)

5. continued.

(e) Study Figure 5a and 5b in the Resource Booklet. They show some of the equipment chosen and some of the data collection methods used, including an interview guide.

The aim of the student's enquiry was to investigate local residents' attitudes to the construction of a new train line through greenfield land on the edge of Berlin, Germany.

Evaluate the choice of equipment and the data collection methods used.

You MUST refer to the resources in your answer.

(8 marks)

Answer lines continue on the next three pages.

5. (e) continued.

[illegible]

Turn over

5. (e) continued.

[illegible]

Turn over

5. (e) continued.

(Total for Question 5 = 20 marks)

If you answer Question 6, put a cross in this box

☐

6. Investigating urban environments

You have studied 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 potential risk that you managed as part of your enquiry.

(1 mark)

(ii) Explain ONE factor that affected the decision on the sites you chose to collect your data.

(2 marks)

(continued on the next page)

6. continued.

(b) Explain ONE way secondary data was used to support your enquiry.

(2 marks)

(continued on the next page)

6. continued.

- (c) Explain ONE advantage and ONE disadvantage of a data presentation technique you used in your enquiry.
(4 marks)**

Advantage

Disadvantage

(continued on the next page)

Turn over

6. continued.

(d) Suggest ONE reason the conclusions from your enquiry were reliable.

(3 marks)

(continued on the next page)

6. continued.

- (e) Study Figures 6a and 6b in the Resource Booklet. They show some of the equipment chosen and some of the data collection methods used, including an interview guide.**

The aim of the student's enquiry was to investigate local residents' opinions towards the construction of a new train line to link some of the suburbs in Berlin, Germany.

Evaluate the choice of equipment and the data collection methods used.

You MUST refer to the resources in your answer.

(8 marks)

Answer lines continue on the next three pages.

Turn over

6. (e) continued.

[illegible]

Turn over

6. (e) continued.

[illegible]

Turn over

6. (e) continued.

(Total for Question 6 = 20 marks)

TOTAL FOR SECTION B = 20 MARKS

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.

If you answer Question 7, put a cross in this box

☐

7. Fragile environments and climate change

(a) (i) Name ONE greenhouse gas.

(1 mark)

(ii) Identify a strategy to try and reduce the impacts of climate change.

A use of low yield seed varieties

B use more timber from forests

C use more fossil fuels

D use more renewable energy

Answer

(1 mark)

(continued on the next page)

7. (a) continued.

(iii) Identify which statement best describes a way of adapting to climate change.

- A increase in cattle farming**
- B increase in flood protection**
- C increase in number of airports**
- D increase in use of coal**

Answer

(1 mark)

(continued on the next page)

7. continued.

(b) (i) Study Figure 7a in the Resource Booklet.

**Identify TWO labelled countries with the
highest risk of drought.**

(2 marks)

1 _____

2 _____

(continued on the next page)

7. (b) continued.

(ii) Suggest TWO reasons for the pattern shown in Figure 7a.

(4 marks)

1 _____

2 _____

(continued on the next page)

7. continued.

(c) Explain TWO potential impacts of climate change.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

7. continued.

(d) (i) Study Figure 7b in the Resource Booklet.

**Calculate the range in total forest loss,
2001–2015.**

**You MUST show all your workings in the
space below.**

(2 marks)

_____ **Mha**

(continued on the next page)

7. (d) continued.

**(ii) Describe a variation in forest loss shown
for 2001–2015.**

(2 marks)

(continued on the next page)

7. continued.

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

Assess the potential impacts of deforestation.

You MUST refer to the resource in your answer.

(6 marks)

Answer lines continue on the next page.

7. (e) continued.

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(continued on the next page)

Turn over

7. continued.

(f) Discuss the view:

“Deforestation is the greatest threat to fragile environments.”

Use Figures 7b and 7c from the Resource Booklet, and your own knowledge and understanding to support your answer.

You MUST refer to the resources in your answer.

(12 marks)

Answer lines continue on the next three pages.

Turn over

7. (f) continued.

[illegible]

Turn over

7. (f) continued.

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Turn over

7. (f) continued.

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(Total for Question 7 = 35 marks)

If you answer Question 8, put a cross in this box

☐

8. Globalisation and migration

(a) (i) Identify the best definition of voluntary migration.

- A** people are forced to move away
- B** people have the choice to move location
- C** people move due to natural disasters
- D** people have to move due to climate change

Answer

(1 mark)

(continued on the next page)

8. (a) continued.

(ii) Identify ONE pull factor for rural–urban migration.

A availability of employment

B availability of expensive land

C lack of access to clean air

D lack of access to healthcare services

Answer

(1 mark)

(iii) State ONE strategy used by countries to manage migration.

(1 mark)

(continued on the next page)

Turn over

8. continued.

(b) (i) Study Figure 8a in the Resource Booklet.

Identify the labelled countries with the highest levels of positive and negative net migration, 2017–2021.

(2 marks)

Highest positive net migration

Highest negative net migration

(continued on the next page)

8. (b) continued.

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

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

8. continued.

(c) Explain ONE advantage and ONE disadvantage of mass tourism.

(4 marks)

Advantage

Disadvantage

(continued on the next page)

Turn over

8. continued.

(d) (i) Study Figure 8b in the Resource Booklet.

Calculate the range in development aid for
Somalia, 1999–2019.

You **MUST** show all your workings in the
spaces below.

(2 marks)

_____ US\$

(continued on the next page)

8. (d) continued.

(ii) Describe a trend shown.

(2 marks)

(continued on the next page)

8. continued.

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

Assess the role of trade blocs in the creation of a more globalised economy.

**You MUST refer to the resource in your answer.
(6 marks)**

Answer lines continue on the next page.

8. (e) continued.

[illegible]

(continued on the next page)

Turn over

8. continued.

(f) Discuss the view:

“Trade has been the greatest driver of the global economy.”

Use Figures 8b and 8c from the Resource Booklet, and your own knowledge and understanding to support your answer.

You MUST refer to the resources in 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 the definition of gross domestic product (GDP).

- A** a measure of development including health and income
- B** a measure of improvement in inequality
- C** the total value of all imports within a country in a year
- D** the total value of goods and services produced by a country in a year

Answer

(1 mark)

(continued on the next page)

9. (a) continued.

(ii) Identify an organisation that attempts to address the global development gap.

- A United States Geological Survey**
- B North American Free Trade Association (NAFTA)**
- C North Atlantic Treaty Organisation (NATO)**
- D World Bank**

Answer

(1 mark)

(iii) State ONE way countries may use international aid to support development.
(1 mark)

(continued on the next page)

Turn over

9. continued.

(b) (i) Study Figure 9a in the Resource Booklet.

**Identify TWO labelled countries with the
highest life expectancy.**

(2 marks)

1 _____

2 _____

(continued on the next page)

9. (b) continued.

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

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

9. continued.

(c) Explain ONE advantage and ONE disadvantage of top–down development projects.

(4 marks)

Advantage

Disadvantage

(continued on the next page)

Turn over

9. continued.

(d) (i) Study Figure 9b in the Resource Booklet.

**Calculate the range in the number of people
affected by food insecurity in Nigeria,
2015–2019.**

**You MUST show all your workings in the
space below.**

(2 marks)

(continued on the next page)

9. (d) continued.

(ii) Describe a trend shown.

(2 marks)

(continued on the next page)

9. continued.

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

Assess how useful the Human Development Index (HDI) is for understanding patterns of development.

**You MUST refer to the resource in your answer.
(6 marks)**

Answer lines continue on the next page.

9. (e) continued.

[illegible]

(continued on the next page)

Turn over

9. continued.

(f) Discuss the view:

“Improvements in human welfare are mainly driven by economic development.”

Use Figures 9b and 9c from the Resource Booklet, and your own knowledge and understanding to support your answer.

You MUST refer to the resources in 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.

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(Total for Question 9 = 35 marks)

TOTAL FOR SECTION C = 35 MARKS

TOTAL FOR PAPER = 105 MARKS

END OF PAPER