

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

Total Marks

Geography
Paper 2: Human Geography

Thursday 13 June 2019 – Morning

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					

X59902RA

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) The Clark Fisher model is used to describe the process of industrialisation.**

Identify the stage which is characterised by agriculture being the most important sector.

- A pre-industrial phase**
- B industrial phase**
- C development pathway phase**
- D post-industrial phase**

Answer

(1 mark)

(continued on the next page)

1. continued.

(b) Define the term **employment structure**.
(1 mark)

(c) Identify the economic sector that includes manufacturing as an activity.

A quaternary

B tertiary

C secondary

D primary

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

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

Suggest ONE reason that has influenced the proportions of GDP shown in Turkey.

(2 marks)

(e) State ONE example of a non–renewable energy resource.

(1 mark)

(continued on the next page)

1. continued.

(f) Explain TWO reasons why energy demand varies globally.

(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 shift in
manufacturing production shown on Figure 1b
(3 marks)**

(continued on the next page)

1. continued.

- (h) For a named **developing or emerging** country, explain **TWO** ways energy resources have been managed in a sustainable way.
(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

1 _____

2 _____

Turn over

1. (h) continued.

(continued on the next page)

1. continued.

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

Analyse the reasons for the different population and resource relationships shown.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

1. (i) continued.

[illegible]

Turn over

1. (i) continued.

[illegible]

(Total for Question 1 = 25 marks)

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)

(b) Define the term **GM crop**.
(1 mark)

(continued on the next page)

Turn over

2. continued.

(c) Identify ONE of the goods provided by natural ecosystems.

A soil formation

B waste decomposition

C timber

D aluminium

Answer

(1 mark)

(continued on the next page)

2. continued.

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

Explain ONE physical factor that could have influenced the choice of crop shown in the farming system on Figure 2a

(2 marks)

(e) State ONE way that farmers can modify natural ecosystems to improve farm system productivity.

(1 mark)

(continued on the next page)

Turn over

2. continued.

(f) Explain TWO reasons why some farmers are moving into diversification of farming.

(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 one of the trends
shown on Figure 2b
(3 marks)**

(continued on the next page)

2. continued.

(h) For a named **developing or emerging** country, explain how **TWO** different groups have managed challenges within the rural environment.

(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

Group 1

2. (h) continued.

Group 2

(continued on the next page)

2. continued.

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

Analyse the reasons for the distribution of the world's biomes.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

Turn over

2. (i) continued.

[illegible]

Turn over

2. (i) continued.

[illegible]

(Total for Question 2 = 25 marks)

Turn over

If you answer Question 3 put a cross in this box

☐

3. Urban environments.

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

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

Answer

(1 mark)

(continued on the next page)

3. continued.

(b) Define the term **megacity**.

(1 mark)

(c) Identify **ONE** characteristic of a squatter settlement.

A a location that has previously been built on

B a location that has high-rise development

C a location that has illegally built housing

D a location that has a planned housing development

Answer

(1 mark)

(continued on the next page)

Turn over

3. continued.

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

Explain ONE piece of evidence that shows this urban area has transport challenges.

(2 marks)

(e) State ONE environmental issue associated with the rapid growth of megacities.

(1 mark)

(continued on the next page)

Turn over

3. continued.

(f) Explain TWO reasons why urban land use patterns vary.

(4 marks)

1 _____

2 _____

(continued on the next page)

3. continued.

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

**Explain ONE reason for the differences in
quality of life shown.**

(3 marks)

(continued on the next page)

3. continued.

(h) For a named **developing or emerging** country, explain how **TWO** different groups managed challenges within urban environments.

(4 marks)

Answer lines continue on the next page.

Named developing or emerging country

Group 1

3. (h) continued.

Group 2

(continued on the next page)

3. continued.

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

Analyse the reasons for the distribution of the world's largest cities.

(8 marks)

Answer lines continue on the next two pages.

[illegible]

3. (i) continued.

[illegible]

3. (i) 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.

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

(1 mark)

- (ii) Explain ONE way this secondary data helped you when investigating energy.**

(2 marks)

(continued on the next page)

Turn over

4. continued.

(b) State the title of your geographical enquiry.

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

(2 marks)

(continued on the next page)

4. continued.

(c) Explain ONE limitation of a method that you used to collect quantitative data.

(3 marks)

(continued on the next page)

4. continued.

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

(4 marks)

Method 1

Method 2

(continued on the next page)

Turn over

4. continued.

- (e) Study Figures 4a and 4b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into energy use.**

The aim of the student's investigation was to identify attitudes towards the plans for a new nuclear power station in north-west India.

The student carried out two different types of surveys into people's opinions and attitudes towards the proposed energy development.

Evaluate the student's data presentation techniques.

(8 marks)

Answer lines continue on the next three pages.

Turn over

4. (e) continued.

[illegible]

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.

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

(1 mark)

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

(2 marks)

(continued on the next page)

Turn over

5. continued.

(b) State the title of your geographical enquiry.

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

(2 marks)

(continued on the next page)

5. continued.

(c) Explain ONE limitation of a method that you used to collect quantitative data.

(3 marks)

(continued on the next page)

5. continued.

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

(4 marks)

Method 1

Method 2

(continued on the next page)

Turn over

5. continued.

- (e) Study Figures 5a and 5b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into the use of rural environments.**

The aim of the student's investigation was to identify attitudes towards the plans for a new tourist development in the New Territories, Hong Kong.

The student carried out two different types of surveys into people's opinions and attitudes towards the proposed tourist development.

Evaluate the student's data presentation techniques.

(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 the use of central/inner urban environments as part of your own geographical enquiry.

- (a) (i) State ONE type of secondary data you used in your geographical enquiry.
(1 mark)

- (ii) Explain ONE way this secondary data helped you when investigating the use of central/inner urban environments.
(2 marks)

(continued on the next page)

Turn over

6. continued.

(b) State the title of your geographical enquiry.

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

(2 marks)

(continued on the next page)

6. continued.

(c) Explain ONE limitation of a method that you used to collect quantitative data.

(3 marks)

(continued on the next page)

6. continued.

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

(4 marks)

Method 1

Method 2

(continued on the next page)

Turn over

6. continued.

- (e) Study Figures 6a and 6b in the Resource Book. They show two different data presentation techniques from a student's fieldwork into central/inner urban environments.**

The aim of the student's investigation was to investigate the attitudes towards the plans for a new urban waste incinerator in Dubai, UAE.

The student carried out two different types of surveys into people's opinions and attitudes towards the proposed urban waste incinerator development.

Evaluate the student's data presentation techniques.

(8 marks)

Answer lines continue on the next three pages.

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.

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 natural cause of climate change.

A industry

B transport

C volcanoes

D intensive farming

Answer

(1 mark)

(continued on the next page)

7. (a) continued.

(ii) Identify the meaning of the term
enhanced greenhouse effect.

- A** cooling of the Earth's atmosphere from human activities
- B** less heat trapped in the Earth's atmosphere
- C** additional heat trapped as a result of natural effects
- D** additional heat trapped as a result of human activities

Answer

(1 mark)

(b) (i) Define the term **deforestation.**
(1 mark)

(continued on the next page)

Turn over

7. (b) continued.

(ii) Study Figure 7a in the Resource Book.

**Identify TWO countries labelled in
Figure 7a with a net loss in forest cover of
greater than 5,000 km²/year.**

(2 marks)

1 _____

2 _____

(continued on the next page)

7. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown on Figure 7a
(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

7. continued.

(c) Explain TWO negative effects climate change is having on people.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

7. continued.

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

(i) Calculate the range in total deforestation loss between 2004 and 2012

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

(2 marks)

7. (d) (i) continued.

(continued on the next page)

7. (d) continued.

(ii) Describe the extent to which deforestation rates have changed from 2004–2012 in

Figure 7b

(2 marks)

(continued on the next page)

7. continued.

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

Assess the different factors that have caused deforestation.

(6 marks)

Answer lines continue on the next page.

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7. (e) continued.

(continued on the next page)

7. continued.

(f) Discuss the view:

“It is possible to manage the global rates of deforestation in a more sustainable way”.

Use Figures 7a, 7b 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.

Turn over

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 main factor encouraging the rise of the global economy.

A increasing sport

B overfishing

C technology

D intensive agriculture

Answer

(1 mark)

(continued on the next page)

8. (a) continued.

(ii) Identify the meaning of the term **WTO**

A World Technology Organisation

B World Trade Operations

C World Typhoon Organisation

D World Trade Organisation

Answer

(1 mark)

(b) (i) Define the term **foreign investment**.

(1 mark)

(continued on the next page)

8. (b) continued.

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

**Identify TWO countries labelled in
Figure 8a with the highest index of
globalisation.**

(2 marks)

1 _____

2 _____

(continued on the next page)

8. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown on Figure 8a
(4 marks)

1 _____

2 _____

(continued on the next page)

8. continued.

(c) Explain TWO positive impacts of globalisation.
(4 marks)

1 _____

2 _____

(continued on the next page)

8. continued.

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

- (i) Calculate the difference in the range in the **total** number of visitors for Spain and Italy.

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

(2 marks)

8. (d) (i) continued.

(continued on the next page)

8. (d) continued.

(ii) Describe ONE characteristic of the 'Holiday' visit data in Figure 8b

(2 marks)

(continued on the next page)

8. continued.

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

**Assess the different factors that have caused
the rise in global tourism.**

(6 marks)

Answer lines continue on the next page.

Turn over

8. (e) continued.

(continued on the next page)

8. continued.

(f) Discuss the view:

“It is possible to manage the global impacts of tourism in a more sustainable way”.

Use Figures 8a, 8b 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 sport

B water availability

C index of political corruption

D bottom–up development

Answer

(1 mark)

(continued on the next page)

9. (a) continued.

(ii) Identify the meaning of the term **fertility rate**.

- A** the number of live births per thousand of population per year
- B** the number of deaths in a particular population
- C** the number of births in the total population
- D** the number of births per woman in a population

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 with an HDI of less than 48·00
(2 marks)**

1

2

(continued on the next page)

9. (b) continued.

(iii) Suggest TWO possible reasons for the pattern shown on Figure 9a
(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

9. continued.

(c) Explain TWO impacts of uneven development on the quality of life within a country.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

9. continued.

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

(i) Calculate the range in infant mortality for
South Asia between 1960 and 2012

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

(2 marks)

9. (d) (i) continued.

(continued on the next page)

9. (d) continued.

(ii) Describe the extent to which infant mortality rates have changed from 1960–2012 in Figure 9b
(2 marks)

(continued on the next page)

9. continued.

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

Assess the different factors that have caused uneven global development.

(6 marks)

Answer lines continue on the next page.

9. (e) continued.

(continued on the next page)

9. continued.

(f) Discuss the view:

“Different strategies are needed to reduce the uneven global development”.

Use Figures 9a, 9b 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.

Turn over

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
