

Paper Reference 1GB0/01
Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Total Marks

Geography B
Paper 1: Global Geographical Issues

Tuesday 21 May 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					

YOU MUST HAVE

Calculator

YOU WILL BE GIVEN

Diagram Book

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided in this Question Paper or on the separate diagrams – 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 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.

Try to answer every question.

Check your answers if you have time at the end.

SECTION A

Hazardous Earth

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.

1. (a) Study Figure 1 in the Diagram Book. It shows a climate graph for Timbuktu, Mali located 16°N of the equator.

(i) Identify which ONE of the following describes Timbuktu's climate.

A Temperature is highest in November

B August is the wettest month

C October is the driest month

D Temperature decreases from January to May

Answer

(1 mark)

(continued on the next page)

Turn over

1. (a) continued.

(ii) Calculate the annual temperature range in Timbuktu.

(1 mark)

_____ °C

(b) Explain ONE reason why some areas are arid (have low rainfall).

(2 marks)

(continued on the next page)

Turn over

1. continued.

(c) Analyse the data in Figure 2 in the Diagram Book.

**(i) Calculate the ratio of the number of deaths
between the two tropical cyclones.**

(1 mark)

(continued on the next page)

Turn over

1. (c) continued.

(ii) Describe how social media could be used
to record the impact of a tropical cyclone.
(2 marks)

(continued on the next page)

1. (c) continued.

(iii) Explain ONE reason why the economic cost of tropical cyclones varies.

(3 marks)

(continued on the next page)

1. continued.

(d) Study Figure 3 in the Diagram Book. It shows four projections about sea level rise from 2020 to 2100

(i) Compare the highest and the lowest sea level projections.

(2 marks)

(continued on the next page)

1. (d) continued.

(ii) Using data from Figure 3 explain
TWO reasons for the range of projections
shown.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

(e) Explain ONE way in which historical records provide evidence of past climate change.

(2 marks)

(continued on the next page)

1. continued.

(f) Study Figure 4 in the Diagram Book. It shows Iceland's location on the Mid–Atlantic Ridge.

Identify which ONE of the following is the best description of Iceland's tectonic location.

A on a convergent boundary

B on a divergent boundary

C on a continental plate

D on a conservative boundary

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

(g) Explain ONE difference between the type of volcanoes found at divergent and convergent plate boundaries.

(3 marks)

(continued on the next page)

1. continued.

(h) Assess the importance of the primary and secondary impacts of EITHER earthquakes OR volcanoes in an emerging OR developing country.

(8 marks)

Answer lines continue on the next two pages.

Named emerging or developing country

1. (h) continued.

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1. (h) continued.

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(Total for Question 1 = 30 marks)

TOTAL FOR SECTION A = 30 MARKS

Turn over

SECTION B

Development Dynamics

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.

Spelling, punctuation, grammar and the use of specialist terminology will be assessed in 2(g).

2. (a) (i) Identify which ONE of the following is a definition of **fertility rates**.

- A** The average number of children born per woman (in a country)
- B** The number of deaths per **1000** people in a year
- C** The percentage of children in a country under the age of **15**
- D** The number of children per **1000** live births who die before their first birthday

Answer

(1 mark)

(continued on the next page)

Turn over

2. (a) continued.

(ii) Explain ONE way in which economic development is measured.

(2 marks)

(continued on the next page)

Turn over

2. continued.

(b) Study Figure 5 in the Diagram Book. It is a choropleth map showing an index of political corruption, 2016

(i) Identify which ONE of the following countries is the least corrupt.

A Russia

B China

C Australia

D India

Answer

(1 mark)

(continued on the next page)

Turn over

2. (b) continued.

**(ii) Figure 5 in the Diagram Book is a choropleth map. State TWO disadvantages of this method of data presentation.
(2 marks)**

1 _____

2 _____

(continued on the next page)

Turn over

2. (b) continued.

(iii) Suggest ONE way in which systems of governance can cause inequalities.

(3 marks)

(continued on the next page)

2. continued.

(c) Analyse Figure 6a and Figure 6b in the Diagram Book. They show the population pyramid of India for 2019 (Figure 6a) and the projected population pyramid for 2050 (Figure 6b).

**(i) Identify the age group with the highest population % in 2019
(1 mark)**

(continued on the next page)

Turn over

2. (c) continued.

- (ii) Calculate the total percentage of young dependents (0 to 14) in 2050
(1 mark)

_____ %

(continued on the next page)

2. (c) continued.

(iii) Compare these population pyramids.

(3 marks)

(continued on the next page)

2. continued.

(d) Explain ONE disadvantage of intermediate technology.

(2 marks)

(continued on the next page)

2. continued.

(e) Explain ONE way in which high levels of Foreign Direct Investment (FDI) might benefit an emerging country.

(2 marks)

(continued on the next page)

Turn over

2. continued.

(f) Explain TWO negative impacts of the rapid economic development of an emerging country on different age groups.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

2. continued.

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

(g) For a named emerging country, assess the extent to which economic development has changed its international role.

(8 marks)

Answer lines continue on the next two pages.

Named emerging country

Turn over

2. (g) continued.

[illegible]

Turn over

2. (g) continued.

[illegible]

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

(Total for Question 2 = 34 marks)

TOTAL FOR SECTION B = 34 MARKS

Turn over

Section C

Challenges of an Urbanising World

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.

3. (a) Study Figure 7 in the Diagram Book. It shows projected global urbanisation trends, 2020 – 2050

(i) Between 2040 and 2050, the urban population of Africa is predicted to rise to 58%. Plot this information on Figure 7 (1 mark)

(ii) Identify the percentage of the world's population living in urban areas in 2020

A 47

B 57

C 67

D 77

Answer

(1 mark)

(continued on the next page)

Turn over

3. (a) continued.

(iii) Explain ONE reason why the percentage of the world's urban population is projected to increase.

(2 marks)

(continued on the next page)

3. continued.

(b) Identify TWO characteristics of bottom–up development strategies intended to make megacities more sustainable.

A Projects funded by national governments

B Large–scale, expensive projects funded by non–governmental organisations

C Projects making use of cheap local materials, employing local people

D Projects benefitting the whole country

E Small–scale, low–cost projects where communities are involved in the decision making

Answers

(2 marks)

(continued on the next page)

Turn over

3. continued.

(c) Study Figures 8a and 8b in the Diagram Book.

They show satellite images of Delhi in 1991 (Figure 8a) and in 2016 (Figure 8b).

(i) Calculate the percentage population increase of Delhi from 1991 to 2016

Answer to ONE decimal place. Show your working.

(2 marks)

_____ %

(continued on the next page)

Turn over

3. (c) continued.

(ii) Using Figures 8a and 8b, describe the
growth of urban land use in Delhi between
1991 and 2016
(3 marks)

(continued on the next page)

3. (c) continued.

(iii) Using Figure 8b, explain TWO ways that rapid urban growth creates challenges for people living in megacities.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(d) Analyse Figure 9 in the Diagram Book. It shows the percentage population change in selected US cities, 2013 and 2014

(i) Calculate the difference in percentage population change between Austin and Detroit.

(1 mark)

_____ %

(continued on the next page)

Turn over

3. (d) continued.

(ii) Explain ONE reason why planning regulations can affect the growth of cities.
(2 marks)

(continued on the next page)

3. continued.

(e) Explain TWO reasons why de-industrialisation may occur.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(f) For a named megacity, evaluate the success of different top–down development strategies.

(8 marks)

Answer lines continue on the next two pages.

Named megacity

[illegible]

Turn over

3. (f) continued.

3. (f) continued.

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(Total for Question 3 = 30 marks)

TOTAL FOR SECTION C = 30 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER

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Figure 5 © Transparency.org

Figure 8a and 8b sourced from: <https://climate.nasa.gov/images-of-change?id=579#579-urban-expansion-in-new-delhi-india>

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