

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 | | | | | |

Y56256A

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.

Turn over

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.

Turn over

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.

Turn over

- 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 options describes Timbuktu's climate.**

Select ONE answer from the options on the next page and write the letter in the box provided.

Turn over

1. (a) (i) continued.

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

(continued on the next page)

Turn over

1. continued.

**(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)

Turn over

1. (c) continued.

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

(3 marks)

(continued on the next page)

Turn over

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)

Turn over

1. (d) continued.

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

(4 marks)

Answer lines continue on the
next page.

1

Turn over

1. (d) (ii) continued.

2

(continued on the next page)

1. continued.

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

(2 marks)

(continued on the next page)

Turn over

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 options is the best description of Iceland's tectonic location.

Select ONE answer from the options on the next page and write the letter in the box provided.

Turn over

1. (f) continued.

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)

Answer lines continue on the next page.

Turn over

1. (g) continued.

(continued on the next page)

Turn over

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 four pages.

Named emerging or developing
country

Turn over

1. (h) continued.

Turn over

1. (h) continued.

Turn over

1. (h) continued.

Turn over

1. (h) continued.

(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.

Turn over

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

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

Select ONE answer from the options on the next page and write the letter in the box provided.

2. (a) (i) continued.

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
countries is the least corrupt.**

**Select ONE answer from the
options on the next page and
write the letter in the box
provided.**

Turn over

2. (b) (i) continued.

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)

Turn over

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)

Answer space continues on the next page.

Turn over

2. (c) (i) continued.

(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)

Turn over

2. (c) continued.

**(iii) Compare these population
pyramids.**

(3 marks)

(continued on the next page)

Turn over

2. continued.

**(d) Explain ONE disadvantage of
intermediate technology.**

(2 marks)

(continued on the next page)

Turn over

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)

Answer lines continue on the next page.

1

Turn over

2. (f) continued.

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 are on the next four pages.

Named emerging country

Turn over

2. (g) continued.

Turn over

2. (g) continued.

Turn over

2. (g) continued.

Turn over

2. (g) continued.

(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.

Turn over

- 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)**

(continued on the next page)

3. (a) continued.

(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)

Turn over

3. continued.

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

Select TWO answers from the options on the next page and write the letters in the boxes provided.

Turn over

3. (b) continued.

- 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)**

Answer space is on the next page.

Turn over

3. (c) (i) continued.

_____ %

(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)

**Answer lines continue on the
next page.**

Turn over

3. (c) (ii) continued.

(continued on the next page)

Turn over

3. (c) continued.

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

(4 marks)

**Answer lines continue on the
next page.**

1

Turn over

3. (c) (iii) continued.

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)

**Answer space continues on
the next page.**

Turn over

3. (d) (i) continued.

_____ %

(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)

Turn over

3. continued.

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

**Answer lines continue on the
next page.**

1

Turn over

3. (e) continued.

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 four pages.

Named megacity

Turn over

3. (f) continued.

Turn over

3. (f) continued.

Turn over

3. (f) continued.

Turn over

3. (f) continued.

(Total for Question 3 = 30 marks)

TOTAL FOR SECTION C = 30 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER

Pearson Education Ltd. gratefully acknowledges all the following sources used in the preparation of this paper:

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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