

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

Total Marks

Geography B
PAPER 1: Global Geographical
Issues

Monday 22 May 2023 – Afternoon
Time: 1 hour 30 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
Diagram Booklet

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 and grammar are clearly indicated.

There may be spare copies of some diagrams in case you need them.

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 spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

1. (a) Look at the diagram for Question 1(a) in the Diagram Booklet. It shows atmospheric circulation cells in the Northern Hemisphere.

(i) Identify the lines of latitude with high annual rainfall.

A 90°N and 60°N

B 60°N and 0°

C 90°N and 0°

D 60°N and 30°N

Answer

(1 mark)

(continued on the next page)

Turn over

1. (a) continued.

(ii) Identify the atmospheric cells found at locations X and Y by completing the table using the list on the following page. There are two spaces to fill.

(2 marks)

(continued on the next page)

1. (a) (ii) continued.

A Polar cell

B Ferrel cell

C Temperate cell

D Mid–latitude cell

E Hadley Cell

Location	Atmospheric cell
X	
Y	

(continued on the next page)

Turn over

1. continued.

**(b) Explain ONE way in which
historical sources show evidence
for climate change.**

(3 marks)

(continued on the next page)

Turn over

1. continued.

Look at the diagram for Question 1(c) in the Diagram Booklet. It shows a volcano.

(c) Name the type of volcano shown in the diagram.

(1 mark)

(continued on the next page)

1. continued.

(d) Identify ONE tectonic location where volcanoes are never found.

A Conservative boundaries

B Hotspots

C Convergent boundaries

D Divergent boundaries

Answer

(1 mark)

(continued on the next page)

Turn over

1. continued.

(e) Explain ONE reason why earthquakes can be very destructive.

(3 marks)

(continued on the next page)

Turn over

1. continued.

(f) Look at the table for Question 1(f) in the Diagram Booklet. It shows the estimated risk to Asian cities by rising sea levels and flooding by 2030.

(continued on the next page)

Turn over

1. (f) continued.

(i) Identify the city with the greatest estimated number of people at risk in 2030.

A Manila

B Bangkok

C Jakarta

D Tokyo

Answer

(1 mark)

(continued on the next page)

Turn over

1. (f) continued.

(ii) In 2020, the GDP of Manila was 117 billion US\$ (US Dollars).

Calculate the estimated GDP of Manila in 2030.

You must show your working.

(2 marks)

Answer space continues on the next page.

1. (f) (ii) continued.

_____ billion US\$

(continued on the next page)

1. continued.

(g) Explain TWO reasons why tropical cyclones form between latitudes 5° and 30° north and south of the equator.

(4 marks)

Answer lines continue on the next page.

1 _____

Turn over

1. (g) continued.

2 _____

(continued on the next page)

1. continued.

(h) Explain TWO reasons why some countries are more socially and economically vulnerable to the impacts of tropical cyclones.

(4 marks)

Answer lines continue on the next page.

1

Turn over

1. (h) continued.

2

(continued on the next page)

1. continued.

(i) Assess the view that human activities causing climate change have become more important than the natural causes of climate change.

(8 marks)

Answer lines continue on the next four pages.

Turn over

1. (i) continued.

1. (i) continued.

Turn over

1. (i) continued.

1. (i) continued.

(Total for Question 1 = 30 marks)

TOTAL FOR SECTION A = 30 MARKS

SECTION B

Development Dynamics

Answer ALL questions in this section. Write your answers in the spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

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

Turn over

2. (a) Look at the table for Question 2(a) in the Diagram Booklet.

(i) Identify the country with the lowest infant mortality rate.

A Lao People's Democratic Republic

B Cambodia

C Viet Nam

D Malaysia

Answer

(1 mark)

(continued on the next page)

Turn over

2. (a) continued.

(ii) Calculate the mean GDP per capita (US\$) for the countries in the table in the Diagram Booklet.

Give your answer to one decimal place.

You must show your working.

(2 marks)

Answer space continues on the next page.

Turn over

2. (a) (ii) continued.

_____ **US\$**

(continued on the next page)

Turn over

2. (a) continued.

**(iii) The data shown in the
Diagram Booklet is
presented in a table.**

**Describe ONE other suitable
method of data presentation
to show the literacy rates in
2011 and 2020.**

**You may use a diagram to
help your answer.**

(2 marks)

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

2. (a) (iii) continued.

(continued on the next page)

Turn over

2. (a) continued.

**(iv) Explain ONE reason why
literacy rates have improved
in many developing
countries.**

(2 marks)

(continued on the next page)

Turn over

2. continued.

**(b) Explain ONE advantage
of development led by
non-governmental organisations
(NGOs).**

(3 marks)

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

Turn over

2. (b) continued.

(continued on the next page)

2. continued.

**(c) Look at the diagram
for Question 2(c) in the
Diagram Booklet. It shows
changes in the percentage (%)
of people employed in different
economic sectors in China
between 2010–2020.**

(continued on the next page)

Turn over

2. (c) continued.

**(i) Identify the percentage
employed in agriculture in
2010.**

A 60%

B 50%

C 40%

D 30%

Answer

(1 mark)

(continued on the next page)

Turn over

2. (c) continued.

(ii) Calculate the increase in the percentage of people employed in service industries between 2010 and 2020.

(1 mark)

_____ %

(continued on the next page)

Turn over

2. continued.

(d) Explain TWO reasons why the percentage employed in agriculture often decreases as a country develops.

(4 marks)

Answer lines continue on the next page.

1

Turn over

2. (d) continued.

2 _____

(continued on the next page)

2. continued.

(e) Explain ONE way economic development changes the greenhouse gas emissions of a country.

(2 marks)

(continued on the next page)

Turn over

2. continued.

(f) For a named emerging country, explain TWO ways its international role has changed.

(4 marks)

Answer lines continue on the next page.

Named emerging country

1

Turn over

2. (f) continued.

2

(continued on the next page)

Turn over

2. continued.

(g) You have studied the reasons for the development of an emerging country.

Evaluate the importance of location in the development of a named emerging country.

(8 marks)

Answer lines continue on the next four pages.

Named emerging country

Turn over

2. (g) continued.

2. (g) continued.

Turn over

2. (g) continued.

(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 spaces provided.

Some questions are multiple choice. Write the letter(s) of your chosen answer(s) in the box(es) provided.

3. (a) (i) Identify which of the following is the best definition of suburbanisation.

- A The movement of people from rural to urban areas**
- B The movement of people towards the edge of a city**
- C The movement of people from one city to another**
- D The movement of people towards inner city areas**

Answer

(1 mark)

(continued on the next page)

Turn over

3. (a) continued.

**(ii) Explain ONE cause of
counter–urbanisation.**

(2 marks)

(continued on the next page)

Turn over

3. continued.

**(b) Look at the diagram
for Question 3(b) in the
Diagram Booklet. It shows
Gross National Income (GNI) per
capita (US\$) and the % urban
population for selected countries
in southern Africa.**

(continued on the next page)

Turn over

3. (b) continued.

(i) Plot the data shown below to complete the diagram in the Diagram Booklet.

(1 mark)

Country	GNI per capita (US\$)	Percentage (%) urban population
Eswatini	3,500	30

(ii) Draw a line of best fit on the diagram in the Diagram Booklet.

(1 mark)

(continued on the next page)

Turn over

3. (b) continued.

**(iii) Using the diagram in the
Diagram Booklet, calculate
the range of % urban
population.**

**You must show your
working.**

(2 marks)

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

3. (b) (iii) continued.

_____ %

(continued on the next page)

Turn over

3. (b) continued.

**(iv) Describe the relationship
shown on the diagram in the
Diagram Booklet.**

Use data in your answer.

(3 marks)

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

Turn over

3. (b) (iv) continued.

(continued on the next page)

3. continued.

(c) Explain TWO factors that influence urban land use.

(4 marks)

Answer lines continue on the next page.

1

2

Turn over

3. (c) continued.

(continued on the next page)

3. continued.

(d) Look at Diagram 1 and Diagram 2 for Question 3(d) in the Diagram Booklet.

They show the distribution of the world's megacities in 2000 (Diagram 1) and 2025 (Diagram 2). Megacities are shown with black dots. In 2025 the projected population for Istanbul is 12·1 million and for Tokyo is 36·3 million.

(continued on the next page)

Turn over

3. (d) continued.

(i) For 2025, calculate the ratio of the population of Istanbul to that of Tokyo.

(1 mark)

(continued on the next page)

Turn over

3. (d) continued.

**(ii) Using Diagram 1
and Diagram 2 in the
Diagram Booklet, compare
the distribution of megacities
in 2000 and 2025.**

(3 marks)

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

Turn over

3. (d) (ii) continued.

(continued on the next page)

3. (d) continued.

(iii) Explain TWO reasons for the increasing number of megacities.

You must use evidence from Diagram 1 and Diagram 2 in the Diagram Booklet.

(4 marks)

Answer lines continue on the next page.

1 _____

Turn over

3. (d) (iii) continued.

2

(continued on the next page)

Turn over

3. continued.

(e) You have studied top–down and bottom–up strategies in a named megacity in EITHER an emerging OR developing country.

Evaluate how successful different strategies have been in achieving sustainability.

(8 marks)

Answer lines continue on the next four pages.

Named megacity

3. (e) continued.

Turn over

3. (e) continued.

3. (e) continued.

(Total for Question 3 = 30 marks)

TOTAL FOR PAPER = 94 MARKS

END OF PAPER