

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 below. There are two spaces to fill.

(2 marks)

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)

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.

(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)

_____ **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)

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

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

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

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 two pages.

[illegible]

1. (i) continued.

[illegible]

Turn over

1. (i) 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 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).

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)

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)

_____ 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 lines are on the next page.

2. (a) (iii) 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)

(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.

(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)

2. continued.

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

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

2. continued.

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

(2 marks)

(continued on the next page)

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

2

2. (f) continued.

(continued on the next page)

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 three pages.

Named emerging country

Turn over

2. (g) continued.

[illegible]

Turn over

2. (g) continued.

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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

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)

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.

(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)

_____ %

(continued on the next page)

3. (b) continued.

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

Use data in your answer.

(3 marks)

(continued on the next page)

3. continued.

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

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

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.

**(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)

(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)

1 _____

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 three pages.

Named megacity

Turn over

3. (e) continued.

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Turn over

3. (e) continued.

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Turn over

3. (e) continued.

(Total for Question 3 = 30 marks)

TOTAL FOR SECTION C = 30 MARKS

TOTAL FOR PAPER = 94 MARKS

END OF PAPER
