

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

Total Marks

Geography B

Paper 1: Global Geographical Issues

Monday 18 May 2020 – Morning

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					

X61879A

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.

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) Study Figure 1 in the Diagram Book. It shows a plate boundary along the west coast of South America.

(i) Identify the type of plate tectonic feature shown.

A A divergent boundary

B A hotspot

C A convergent boundary

D A conservative boundary

Answer

(1 mark)

(ii) Name the type of volcano found at X.
(1 mark)

(continued on the next page)

Turn over

1. continued.

(b) Explain ONE cause of tectonic plate movement.
(3 marks)

(continued on the next page)

1. continued.

(c) Study Figure 2 in the Diagram Book. It shows the area of ice in the Arctic Ocean each spring between 1978 and 2018.

(i) Describe the trend in the area of Arctic ice between 1978 and 2018.

Use data in your answer.

(3 marks)

(continued on the next page)

Turn over

1. (c) continued.

(ii) Identify ONE reason for the changing area of Arctic ice shown in Figure 2.

(1 mark)

(continued on the next page)

1. (c) continued.

(iii) Explain TWO ways in which changes in the area of Arctic ice may have consequences for people.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

(d) Explain ONE piece of evidence of natural climate change.

(2 marks)

(continued on the next page)

1. continued.

(e) Study Figure 3 in the Diagram Book. It shows sources of greenhouse gas emissions in the European Union for 1990 and 2018.

(i) Identify which human activity was producing the most greenhouse gas emissions in 2018.

A agriculture

B transport

C fuel used in manufacturing industries

D fuel used in energy industries

Answer

(1 mark)

(continued on the next page)

1. (e) continued.

- (ii) Calculate the percentage decrease in total emissions (CO₂ equivalent) between 1990 and 2018.

Give your answer to one decimal place.

Show your working below.

(2 marks)

_____ %

(continued on the next page)

1. continued.

(f) Explain two reasons why tropical cyclones lose their energy.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

1. continued.

(g) Assess the reasons why some countries are more vulnerable than others to the impacts of tropical cyclones.

(8 marks)

Answer lines continue on the next two pages.

1. (g) continued.

[illegible]

Turn over

1. (g) continued.

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(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 the use of specialist terminology will be assessed in 2(h).

2. (a) (i) Identify which ONE of the following is a definition of **maternal mortality rate**.

- A** The annual number of deaths per **100 000** women whilst pregnant or in childbirth
- B** The annual number of live births in a location per **1000** people
- C** The annual number of deaths in a location per **1000** people
- D** The annual number of children per **100 000** who die before their first birthday

Answer

(1 mark)

(continued on the next page)

2. (a) continued.

(ii) Identify which one of the following is an economic measure of development.

A death rate

B infant mortality rate

C life expectancy

D Gross Domestic Product (GDP) per capita

Answer

(1 mark)

(continued on the next page)

2. continued.

(b) Explain ONE reason why fertility rates fall as countries develop.

(2 marks)

(continued on the next page)

2. continued.

(c) Study Figure 4 in the Diagram Book. It shows the five stages of Rostow's modernisation theory.

(i) Label the traditional society stage of Rostow's modernisation theory on Figure 4.
(1 mark)

(continued on the next page)

2. (c) continued.

(ii) Explain how Rostow's modernisation theory can be used to understand how countries develop over time.

(3 marks)

(continued on the next page)

2. continued.

(d) Explain ONE advantage of using intermediate technology.

(2 marks)

(continued on the next page)

2. continued.

(e) Study Figure 5 below. It shows the share of total national wealth earned by five income groups from the poorest 20% to the richest 20% of the population in India and Zambia.

Country	India (an emerging country) % share of national wealth	Zambia (a developing country) % share of national wealth
Poorest 20%	8	3
Fourth 20%	12	6
Third 20%	15	11
Second 20%	20	19
Richest 20%	45	61

(continued on the next page)

2. (e) continued.

- (i) Look at the diagram for Question 2(e)(i) in the Diagram Book. It shows an incomplete graph. Draw a compound bar graph to show the percentage (%) share of national wealth for India using the data from Figure 5. Label each segment.**
- (3 marks)**

The poorest 20% has already been drawn for you.

(continued on the next page)

2. (e) continued.

(ii) Calculate the difference between the percentage income share of the richest and poorest **20%** for Zambia.

(1 mark)

_____ %

(continued on the next page)

2. continued.

(f) Study Figure 6 in the Diagram Book. It shows the Human Development Index (HDI) levels for states and federal territories in Malaysia.

(i) Calculate the interquartile range of HDI scores given in Figure 6.

Show your working.

(2 marks)

(continued on the next page)

Turn over

2. (f) continued.

- (ii) Describe another suitable data presentation technique that could be used to display the differences in HDI data shown in Figure 6.
(2 marks)

(continued on the next page)

2. continued.

(g) Explain TWO ways economic development can lead to water pollution.

(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.

(h) For a named emerging country, evaluate the role of transnational corporations (TNCs) in its development.

(8 marks)

Answer lines continue on the next three pages.

Named emerging country _____

2. (h) continued.

Turn over

2. (h) continued.

[illegible]

2. (h) continued.

(Total for spelling, punctuation, grammar and use of specialist technology = 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 ONE of the following is a definition of urban primacy.

- A A city with a population of over 1 million people
- B A city which is experiencing de-industrialisation
- C A city with a much larger influence than the other cities in the country
- D A city which is dominated by industries such as mining and fishing

Answer

(1 mark)

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

(1 mark)

(continued on the next page)

Turn over

3. continued.

(b) Study Figure 7 in the Diagram Book. It shows data about the urban populations of selected African countries.

(i) Calculate the mean annual rate of growth of urban population.

Give your answer to one decimal place.

Show your working.

(2 marks)

_____ %

(continued on the next page)

Turn over

3. (b) continued.

- (ii) Suggest ONE reason for the differences in the annual rate of growth of urban population shown in Figure 7.
(2 marks)**

(continued on the next page)

3. continued.

(c) Study Figure 8 in the Diagram Book. It shows variations in the type of employment for countries at different levels of development.

(i) Identify ONE characteristic of formal employment.

- A jobs do not have a weekly regular wage**
- B workers pay taxes on their earnings**
- C workers have little income protection if they fall sick**
- D jobs often involve working irregular hours**

Answer

(1 mark)

(continued on the next page)

3. (c) continued.

(ii) Calculate the difference between the percentage (%) employed in the formal sector in developed and developing countries using Figure 8.

(1 mark)

_____ %

(continued on the next page)

3. (c) continued.

(iii) Explain TWO reasons why there is a high percentage of people working in informal employment in cities in developing countries.

(4 marks)

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(d) Study Figure 9 in the Diagram Book. It shows a satellite image of Detroit, USA.

(i) Identify the main type of land use shown in Figure 9 at location X.

A residential

B industrial

C commercial

D transport

Answer

(1 mark)

(continued on the next page)

3. (d) continued.

(ii) Describe the distribution of sports facilities
in this area.

(2 marks)

(continued on the next page)

3. (d) continued.

**(iii) Suggest TWO reasons why the
Hudson's redevelopment site may be
attractive for future development.
(4 marks)**

1 _____

2 _____

(continued on the next page)

Turn over

3. continued.

(e) For a named megacity, explain ONE way its location has influenced its growth.

(3 marks)

Named megacity _____

(continued on the next page)

3. continued.

(f) For a named megacity in either a developing or an emerging country, assess the reasons why the quality of life varies so much.

(8 marks)

Answer lines continue on the next two pages.

Named megacity _____

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3. (f) continued.

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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