

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

<b>Total Marks</b>
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# **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.**

<b>Surname</b>					
<b>Other names</b>					
<b>Centre Number</b>					
<b>Candidate Number</b>					

**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.**

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## **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  $16^{\circ}\text{N}$  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)

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)

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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)**

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**(continued on the next page)**

1. (c) continued.

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

(2 marks)

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1. (c) continued.

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

(3 marks)

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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)

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1. (d) continued.

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

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2 \_\_\_\_\_

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Turn over

1. continued.

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

(2 marks)

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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)

1. continued.

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

(3 marks)

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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

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**1. (h) continued.**

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**Turn over**



**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)

2. (a) continued.

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

(2 marks)

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**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)**

**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** \_\_\_\_\_

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**2** \_\_\_\_\_

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2. (b) continued.

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

(3 marks)

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**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)**

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**(continued on the next page)**



2. (c) continued.

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

(1 mark)

\_\_\_\_\_ %

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2. (c) continued.

(iii) Compare these population pyramids.

(3 marks)

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**2. continued.**

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

**(2 marks)**

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**2. continued.**

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

**(2 marks)**

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**2. continued.**

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

**(4 marks)**

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**2** \_\_\_\_\_

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**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**

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**2. (g) continued.**

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**2. (g) continued.**

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**(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)

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**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)**

3. (c) continued.

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

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**3. (c) continued.**

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

**(4 marks)**

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**2** \_\_\_\_\_

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**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)**



**3. (d) continued.**

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

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**3. continued.**

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

**(4 marks)**

**1** \_\_\_\_\_

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**2** \_\_\_\_\_

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**(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

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[illegible]

**3. (f) continued.**

[illegible]

**Turn over**

**3. (f) continued.**

[illegible]

**(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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