

United Curriculum

End-of-Year Assessment 2023-24

Geography

Time: 1 hour

Year 9

Paper 1 – End-of-Year Assessment

Student surname:

Student first name(s):

Class name / number:

You must have: A pen, pencil, ruler and calculator would be useful.

Instructions

- Fill in the boxes on the front page.
- Use a black ink pen.
- The marks for each question are shown.
- Answer the questions in the space provided.
- Cross through any work you do not want to be marked.

Advice

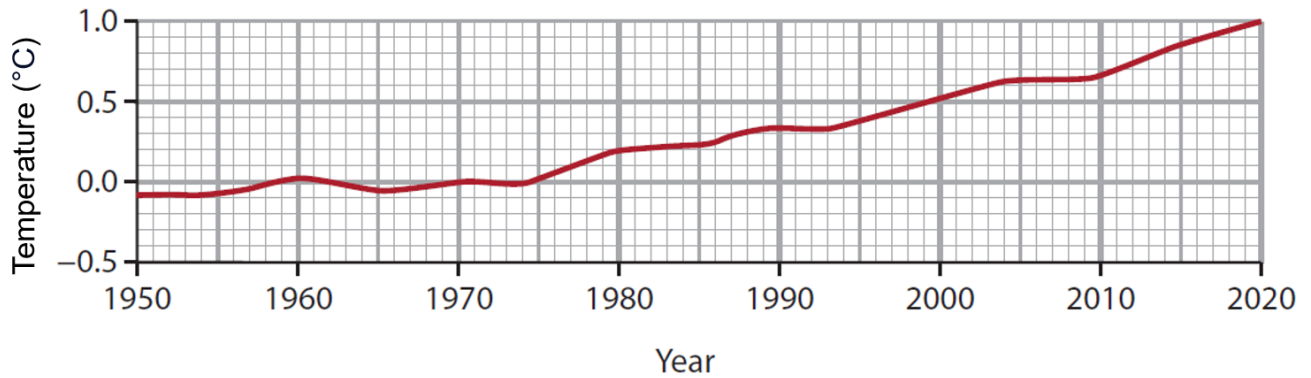
- Read each question carefully before you begin.
- Try your best to answer every question. If you have time, go back and review your answers.

For Teacher use only:

Section A		Section B		TOTAL MARKS	
	28		28		56

Section A: Climate Change

Question 1 (5 marks)



Key

— Change in global temperature compared to the 1951–1980 mean

Figure A: A graph showing mean global temperature change (°C) from 1950–2020.

1a. Use **Figure A** to describe the pattern of temperature change from 1950 to 2020.

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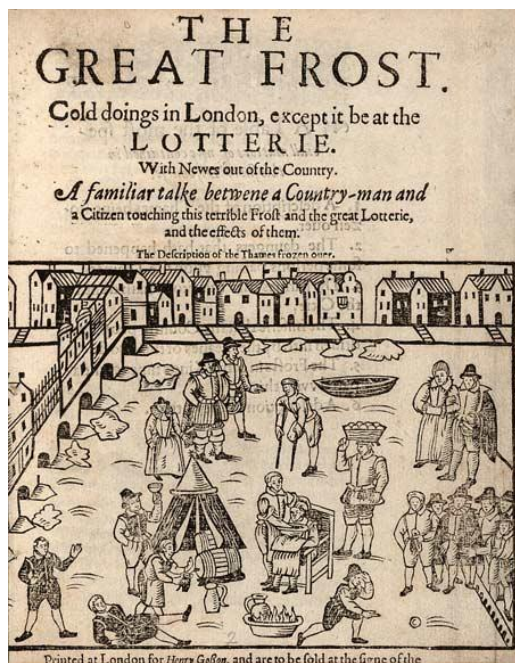


Figure B: An advert for the frost fair on the River Thames in 1683.

1b. Suggest how Figure B might show evidence that the climate has changed from 1683 to the present day.

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1c. Explain how one source of evidence, other than global temperature change or diaries and paintings, is used to study climate change.

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Question 2 (6 marks)

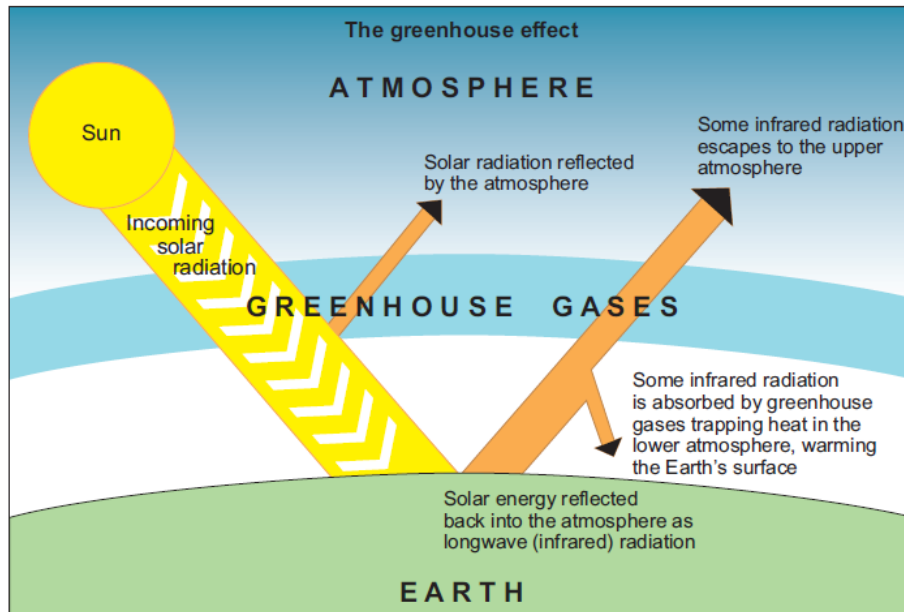


Figure C: A diagram showing the greenhouse effect.

2a. **Identify** the correct statement about **Figure C** and **tick the correct statement** in the table below.

Statement	Tick (✓)
Greenhouse gases do not absorb infrared radiation.	
Greenhouse gases absorb all the infrared radiation.	
Greenhouse gases absorb some infrared radiation.	
There is no relationship between greenhouse gases and the Earth's climate.	

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2b. **State** a **source** of greenhouse gas emissions.

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2c. Explain two natural causes of climate change.

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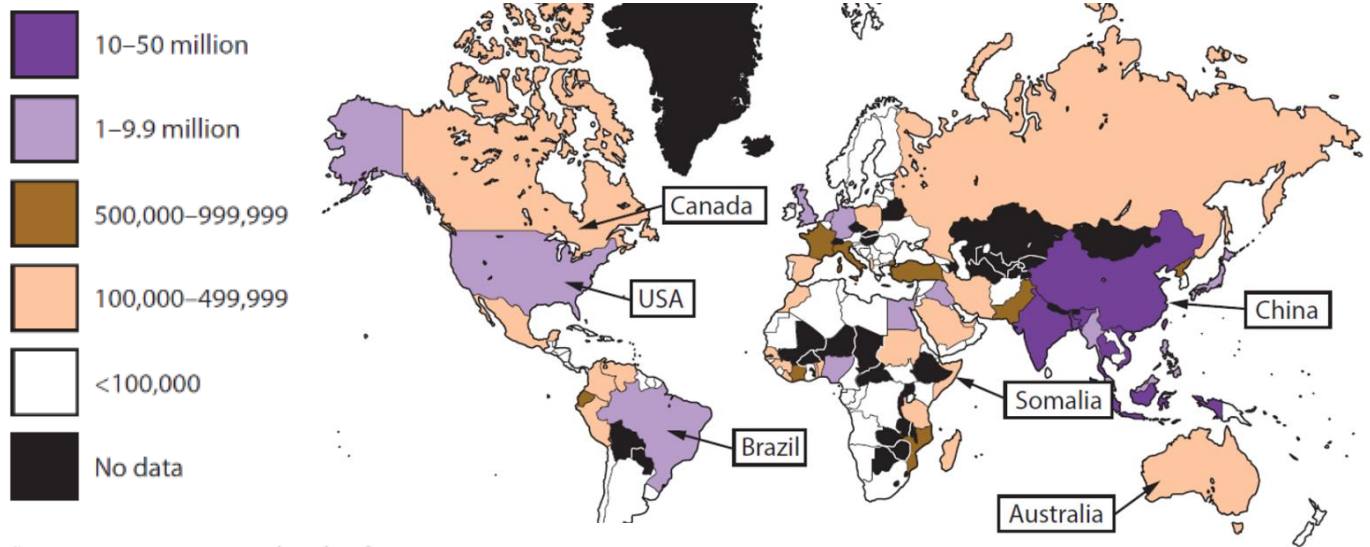
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Question 3 (8 marks)

Key: Number of people per country living on land expected to be under sea level by 2100*



*assuming a rise in sea levels of 50–70 cm

Figure D: A map showing areas at risk of sea level rise by 2100. (Source: Edexcel iGCSE)

3a. Identify the **two** correct statements about **Figure D** and tick them in the table below.

Statement	Tick (✓)
1–9.9 million people in Canada live on land expected to be under sea level by 2100.	
10–50 million people in Australia live on land expected to be under sea level by 2100.	
10–50 million people in China live on land expected to be under sea level by 2100.	
100,000–499,999 people in Somalia live on land expected to be under sea level by 2100.	

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3b. **Explain** one possible impact of sea level rise.

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3c. **Explain** another possible impact of climate change.

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3d. **Explain** why developing countries are often more vulnerable to the effects of climate change.

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Section B: Life in an Emerging Country

Question 1 (6 marks)

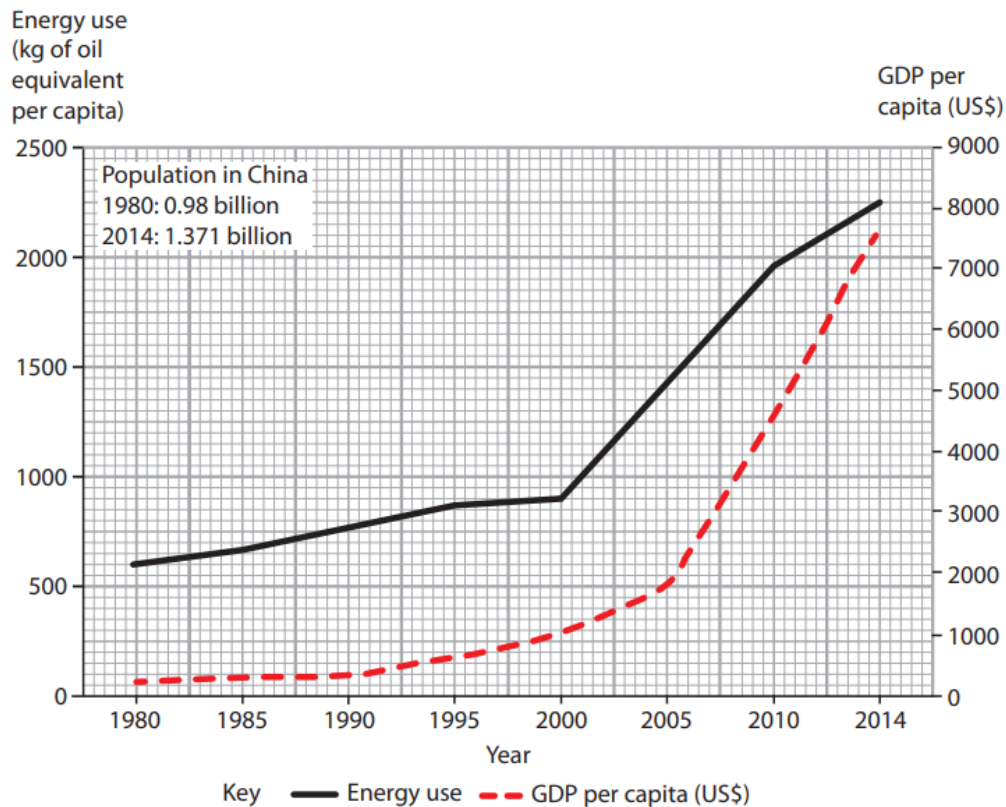


Figure E: A graph showing energy use and GDP per capita in China, 1980-2014.

1a. Identify the correct statement about Figure E and tick the correct statement in the table below.

Statement	Tick (✓)
As GDP per capita increases energy use decreases.	<input type="checkbox"/>
As energy use increases GDP per capita decreases.	<input type="checkbox"/>
There is no relationship between GDP per capita and energy use.	<input type="checkbox"/>
As GDP per capita increases so does energy use.	<input type="checkbox"/>

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1b. Explain one possible impact of the change in energy use as shown in Figure E.

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1c. Literacy rates are often rapidly improving in emerging countries.
Define the term **literacy rate**.

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1d. Explain why having a large coastline can encourage development of emerging countries.

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Question 2 (9 marks)

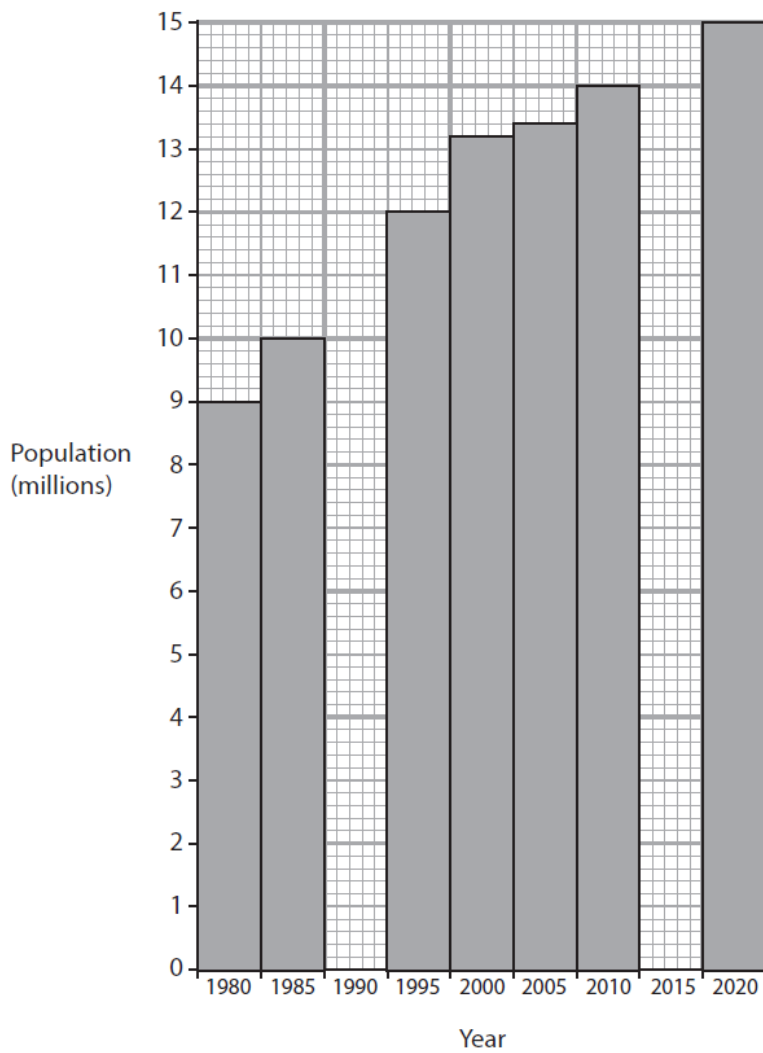


Figure F: A graph showing population change in Kolkata, a city in the emerging country of India.

2a. Complete Figure F by plotting the data from the table below.

Year	Population (millions)
1990	11.0
2015	14.4

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2b. **Calculate** the increase in population in Kolkata from 1980 to 2020.

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2c. **Explain** one possible **pull factor** which could be causing the rapid population growth in Kolkata.

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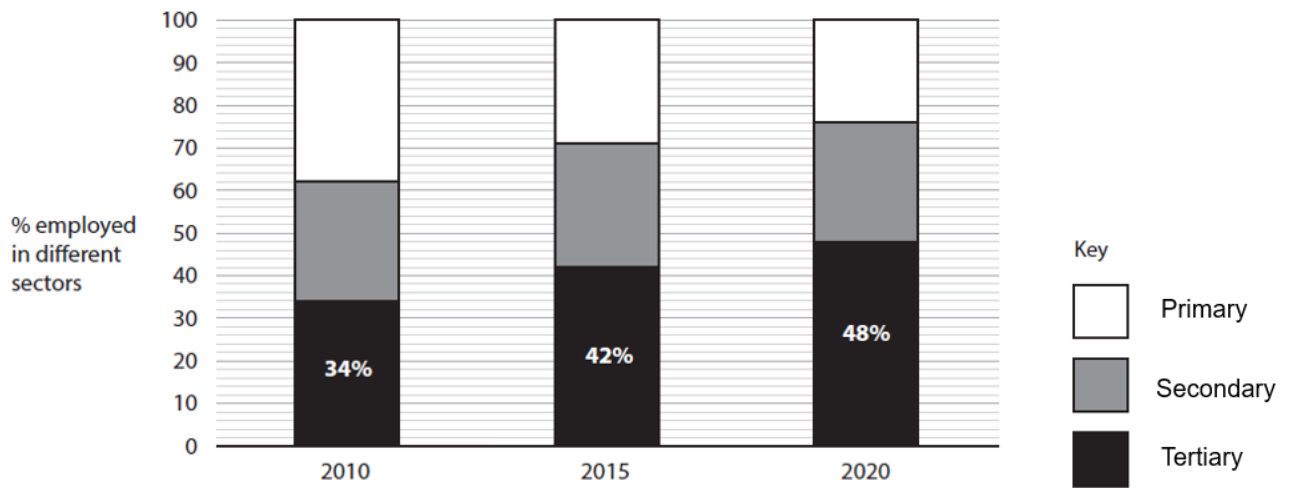


Figure G: A graph showing the percentage of people employed in different economic sectors in China between 2010-2020.

2d. **Identify** the **two** correct statements about **Figure G** and tick them in the table below.

Statement	Tick (✓)
Between 2010 and 2020 the percentage employed in the tertiary sector has decreased.	<input type="checkbox"/>
Between 2010 and 2020 the percentage employed in the primary sector has decreased.	<input type="checkbox"/>
Between 2010 and 2020 the percentage employed in the tertiary sector has increased.	<input type="checkbox"/>
Between 2010 and 2020 the percentage employed in the primary sector has increased.	<input type="checkbox"/>

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2e. **Explain** one possible reason for the change in the percentage of people employed in the **primary sector** between 2010 and 2020.

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Question 3 (4 marks)



Figure H: An aerial photograph of Mexico City.

Use **Figure H** and your own understanding to **explain one opportunity** and **one challenge** of living in urban areas such as Mexico City in emerging countries.

Opportunity:

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Challenge:

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