Rewarding Learning

Centre Number

Candidate Number

General Certificate of Secondary Education
2024

# Geography

Unit 2

Living in Our World

*GGY21*

**[GGY21]**

**TUESDAY 28 MAY, MORNING**

**TIME**

1 hour 30 minutes.

**INSTRUCTIONS TO CANDIDATES**

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.
**You must answer the questions in the spaces provided.**
**Do not write outside the boxed area on each page or on blank pages.**
Complete in black ink only. **Do not write with a gel pen.**
Answer **all four** questions.

**INFORMATION FOR CANDIDATES**

The total mark for this paper is 100.
Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.
Quality of written communication will be assessed in questions **(1)(d)**, **(2)(d)** and **(3)(e)**.

14198

*24GGY2101*

## Theme A: Population and Migration

**1** **(a)** State the meaning of the term **crude birth rate**.

_____

_____

_____

_____ [2]

**(b)** Study **Fig. 1** which shows a population pyramid for Italy, a MEDC and Ghana, a LEDC. Answer the questions which follow.

**(i)** Complete the pyramid for Italy using the following information.

| | |
|---|---|
| Males aged 75 – 79 | 1.0 million |

[2]

**(ii)** Underline the correct answer in each of the following statements about the population pyramids for Italy and Ghana. One has been completed for you.

- In Italy there are more **Males / Females** aged between 90–94
- In Ghana the age group with the most males and females are aged **0–4 / 5–9**
- In Italy the age group with the most males and females are aged **50–54 / 45–49**
- There are more children aged 0–4 in **Italy / Ghana** [3]

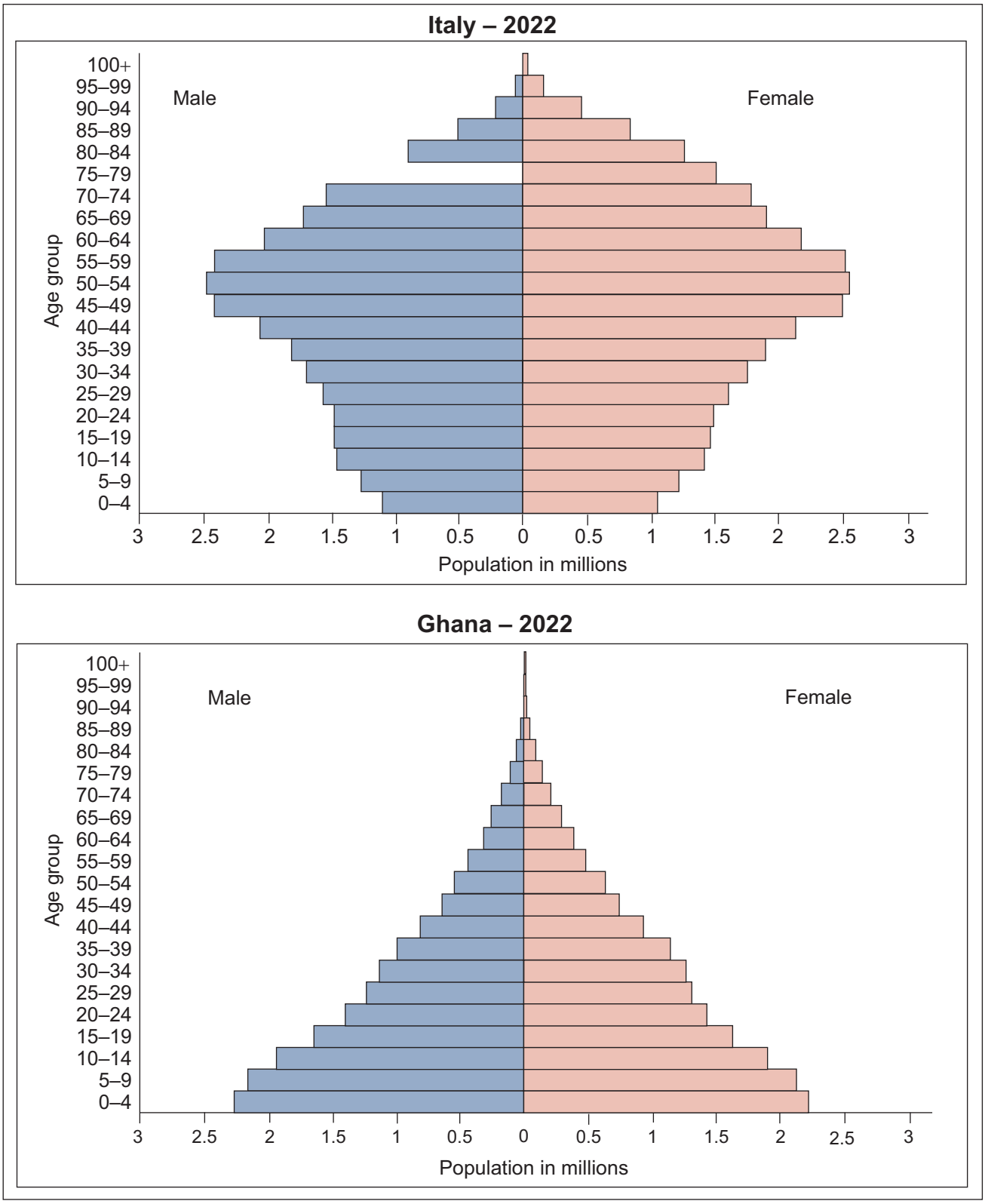


**Fig. 1**

**[Turn over**

**(iii)** Describe **two** differences in the shape of the population pyramids for Italy and Ghana in 2022.

[6]

Extra Space

**(c)** Many migrants must consider a range of factors before they take the decision to move from one country to another.

**(i)** Describe **one** push factor and **one** pull factor that could lead to migration.

_____

_____

_____

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_____ [3]

**(ii)** Describe how **one** human barrier might cause an issue for migrants.

_____

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_____ [3]

**(d)** With reference to an area you have studied, discuss the challenges faced by refugees and the destination country to which they travelled.

[6]

Extra Space

## Theme B: Changing Urban Areas

**2** **(a)** Study **Photograph 1** which shows an area of a MEDC city. Answer the questions which follow.

*Source: Principal examiner*

**Photograph 1**

**(i)** Underline the land use zone which is shown in **Photograph 1**.

**Suburbs** **CBD** **Inner City** [1]

**(ii)** Explain the location of this land use zone.

_____

_____

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_____ [3]

**[Turn over**

**(b)** Study **Fig. 2** which shows the number of megacities (cities over 10 million people) in 2018 and 2030. Answer the questions which follow.

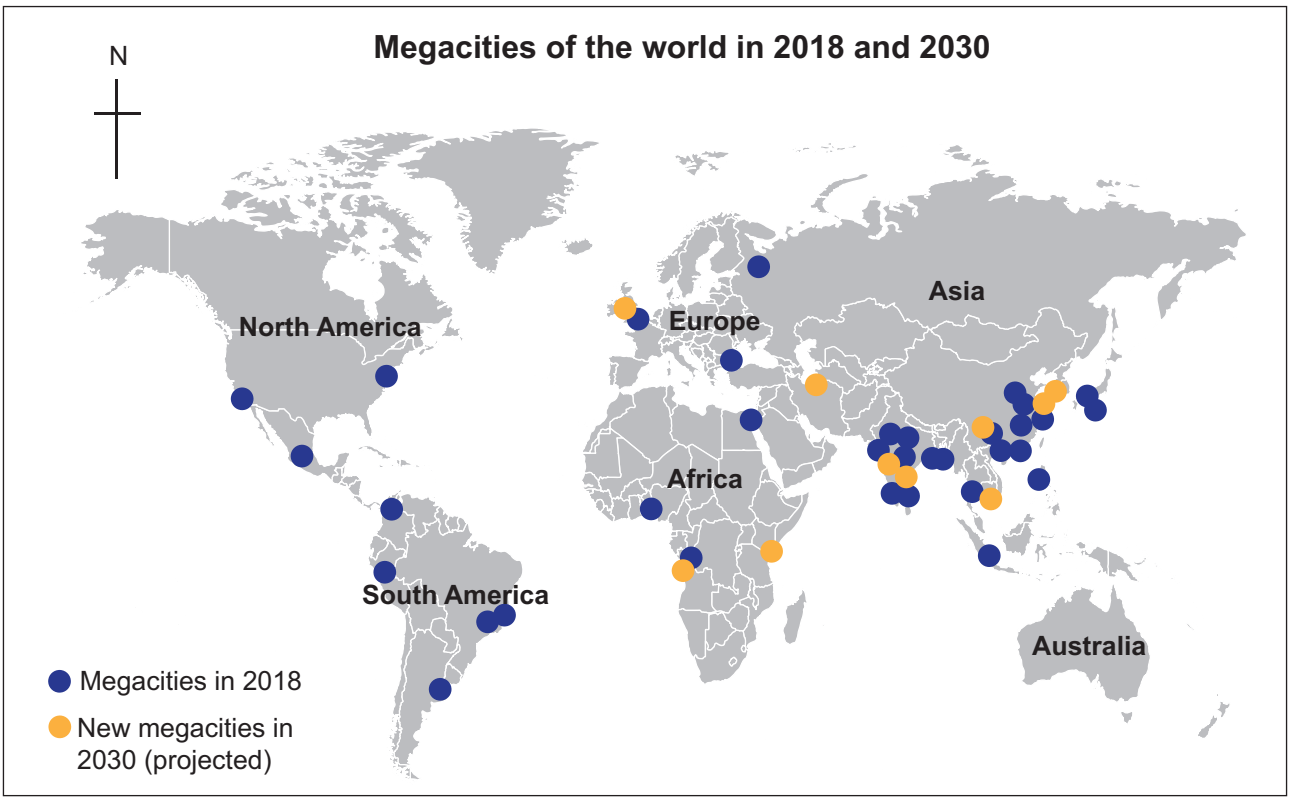


**Fig. 2**

**(i)** Using **Fig. 2**, complete **Table 1** by inserting the correct answer for the number of megacities in South America in 2018 and Africa in 2030.

**Table 1**

| Continent | Number of megacities (over 10 million) in 2018 | Number of new megacities (over 10 million) in 2030 (projected) |
|---|---|---|
| Europe | 3 | 1 |
| North America | 3 | 0 |
| South America | | 0 |
| Asia | 20 | 7 |
| Africa | 3 | |

[2]

**(ii)** Which continent on **Fig. 2** had no megacities in 2018?

_____ [1]

**(iii)** Which continent on **Fig. 2** is expected to have the highest number of megacities in 2030? Underline the correct answer in the list below.

**Africa** **North America** **Asia** [1]

**(iv)** Name the process which explains the increase in the number of megacities illustrated in **Fig. 2** and **Table 1**. Underline the correct answer in the list below.

**Urbanisation** **Gentrification** **Depopulation** [1]

**(v)** Explain why cities in LEDCs continue to grow at a rapid rate.

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_____ [3]

**(c)** Shanty town areas are found in many LEDC cities.

**(i)** State the meaning of the term **shanty town**.

_____

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_____ [2]

**(ii)** For a named LEDC city you have studied, describe the location of its shanty town areas.

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_____ [4]

**(d)** Name **one** urban planning scheme you have studied and evaluate how it has regenerated and improved the environment and employment opportunities in the inner city zone of the city.

Name of planning scheme in a MEDC inner city area

_____ [no mark]

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_____ [7]

Extra Space

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**[Turn over**

## Theme C: Contrasts in World Development

**3** **(a)** Study **Fig. 3** which shows the life expectancy of people across the world. Answer the questions which follow.

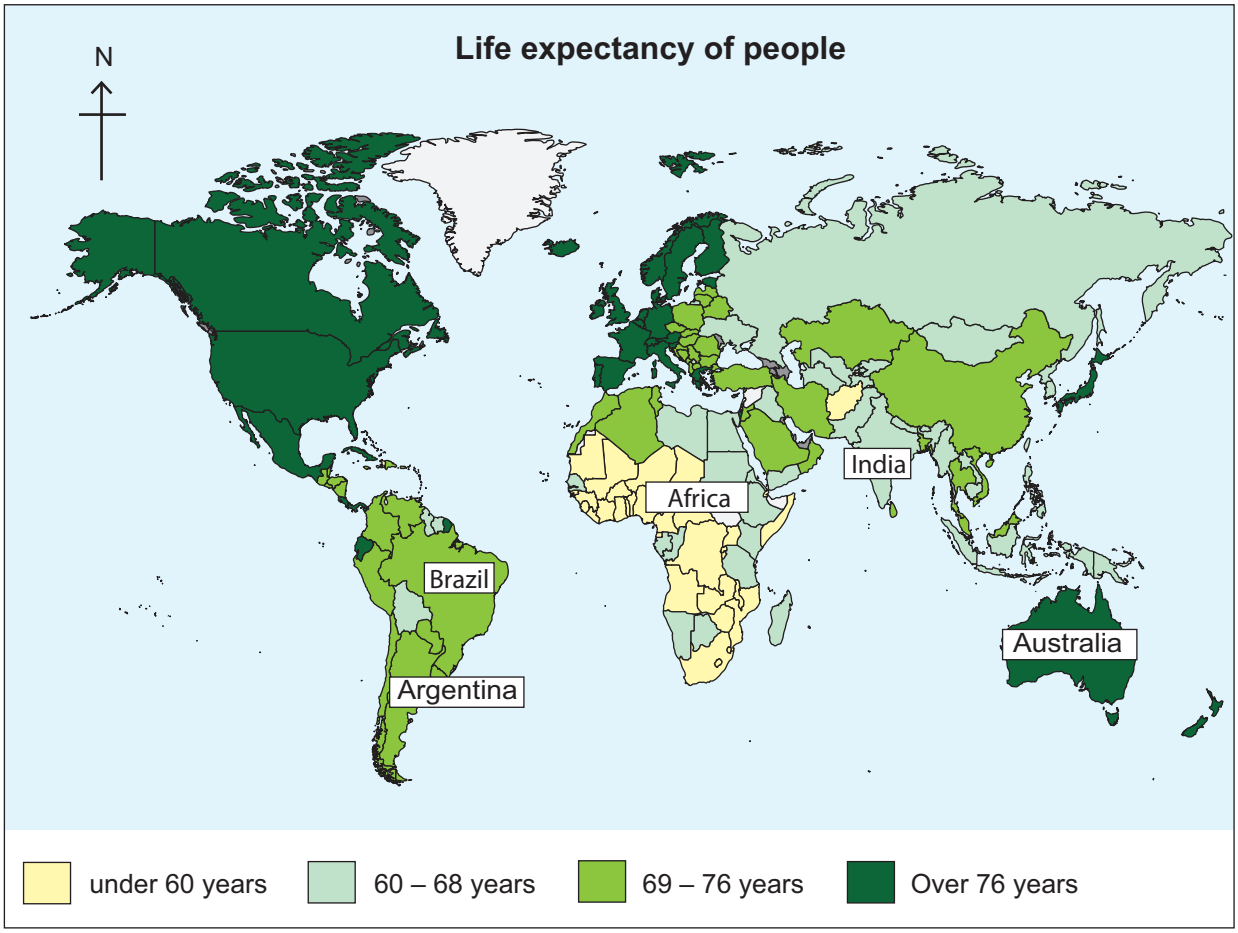


**Fig. 3**

**(i)** Underline the correct phrase in each of the following sentences about the distribution of life expectancy shown in **Fig. 3**.

- One region with the longest life expectancy is **Australia / Argentina**
- The life expectancy in India is **60–68 / over 76 years**
- The life expectancy in Brazil is **over 76 / 69–76 years**
- The life expectancy in the continent of Africa is mainly **over 76 / under 60 years**
- People have a shorter life expectancy in **LEDCs / MEDCs** [5]

**(ii)** Underline the type of map shown in **Fig. 3**.

**Flow** **Density** **Synoptic** [1]

**(iii)** Life expectancy is a social indicator of development. Explain why this may **not** be the most effective measure of development.

_____

_____

_____

_____

_____

_____ [3]

**(iv)** Name **one** economic indicator of development.

_____ [1]

**(b)** Explain how dependence on primary activities can hinder the development of a country. You should make reference to a LEDC in your answer.

_____

_____

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_____

_____ [4]

**[Turn over**

**(c)** Sustainable Development Goals try to reduce the development gap. Name **two** of these goals.

1. _____

2. _____ [2]

**(d)** Appropriate technology is one sustainable solution to reduce the development gap. Tick **(✓) two** characteristics of an appropriate technology product in **Table 2** below. One has been completed for you.

**Table 2**

| Characteristics | Tick (✓) if true of appropriate technology product |
|---|---|
| The product is made for export. | |
| Local people can understand how to make and use the product. | |
| The product requires the skills of local people. | |
| Raw materials have to be imported to make the product. | |
| People can afford to buy the product as they have access to low-interest loans. | ✓ |

[2]

**(e)** Discuss how globalisation can both help and hinder the development of a BRICS country you have studied.

[7]

Extra Space

## Theme D: Managing Our Environment

**4** **(a)** Study **Table 3** which shows information about energy use in several countries. Answer the questions which follow.

**Table 3**

| Country | Total Population (in thousands) | GDP per capita US $ | Energy Use (kg of oil equivalent per capita) |
|---|---|---|---|
| United Kingdom | 67,326 | 47,334 | 2,765 |
| United States | 331,893 | 69,287 | 6,804 |
| China | 1,412,360 | 12,556 | 2,224 |
| Brazil | 213,993 | 7,518 | 1,496 |
| Kenya | 54,985 | 2,277 | 506 |

**(i)** Using information from **Table 3**, underline the correct answer in the statements below. One has been completed for you.

- The **United States / United Kingdom** has the highest energy use per capita.
- The difference in energy use per capita between the United States and Kenya is **6318 kg / 6298 kg**.
- **Brazil / Kenya** has the smallest GDP per capita.
- United Kingdom uses **more / less** energy per capita than China. [3]

**(ii)** Using **Table 3** to help you, explain why there are concerns about China's energy use per capita.

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_____ [3]

**[Turn over**

**(b)** Climate change affects many parts of the world. Study **Fig. 4** below which illustrates the melt area of the Greenland Ice Sheet. Answer the questions which follow.

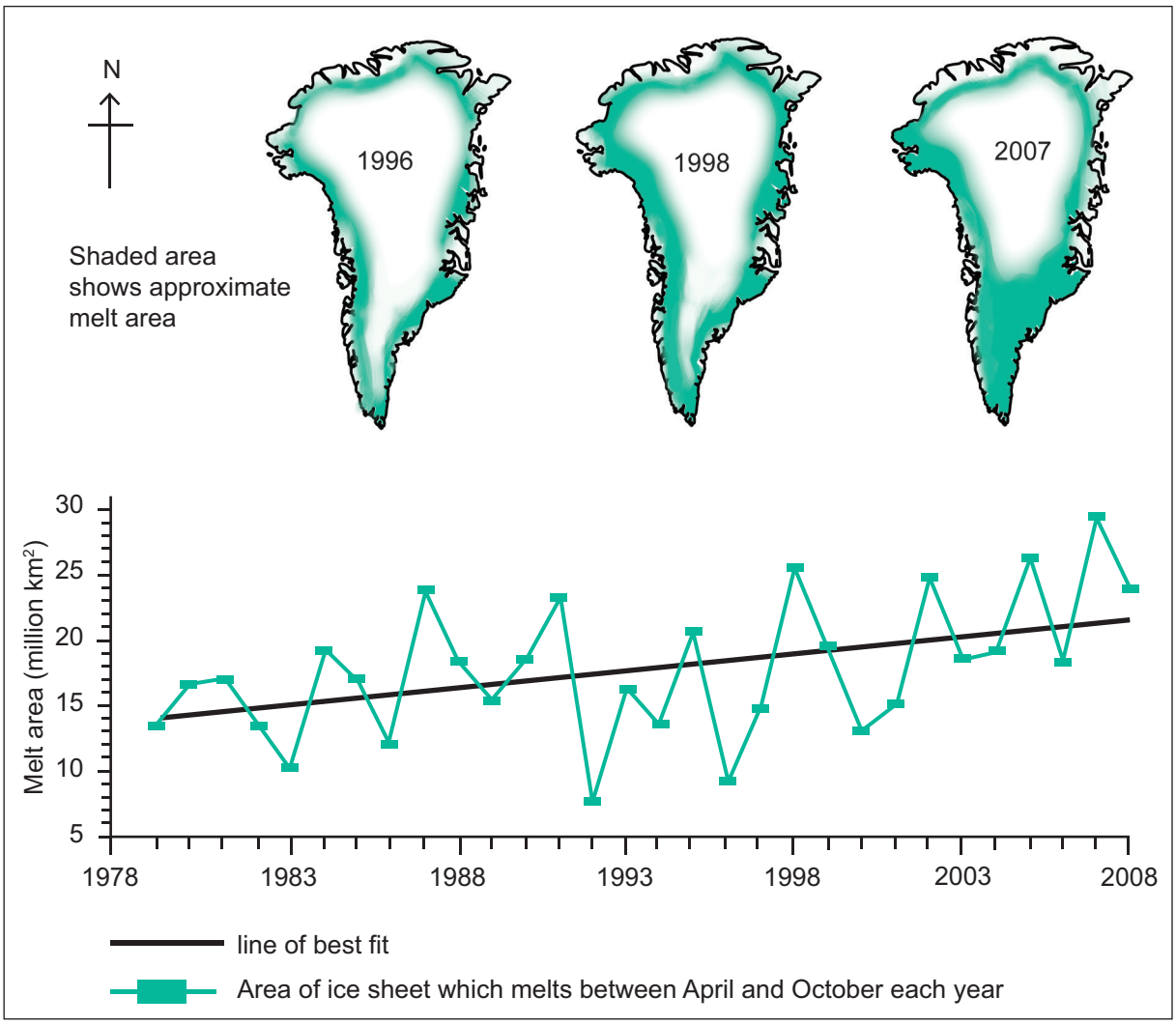


**Fig. 4**

**(i)** State the meaning of the term **Climate Change**.

_____

_____

_____

_____ [2]

**(ii)** Using **Fig. 4**, describe how the melt area of the Greenland Ice Sheet has changed over time.

[3]

**(iii)** With reference to places, evaluate the effects climate change can have upon the economy.

[6]

**[Turn over**

**(c)** Waste Management is an important strategy to reduce the demands we place on landfill sites. Study **Fig. 5** below and answer the questions which follow.

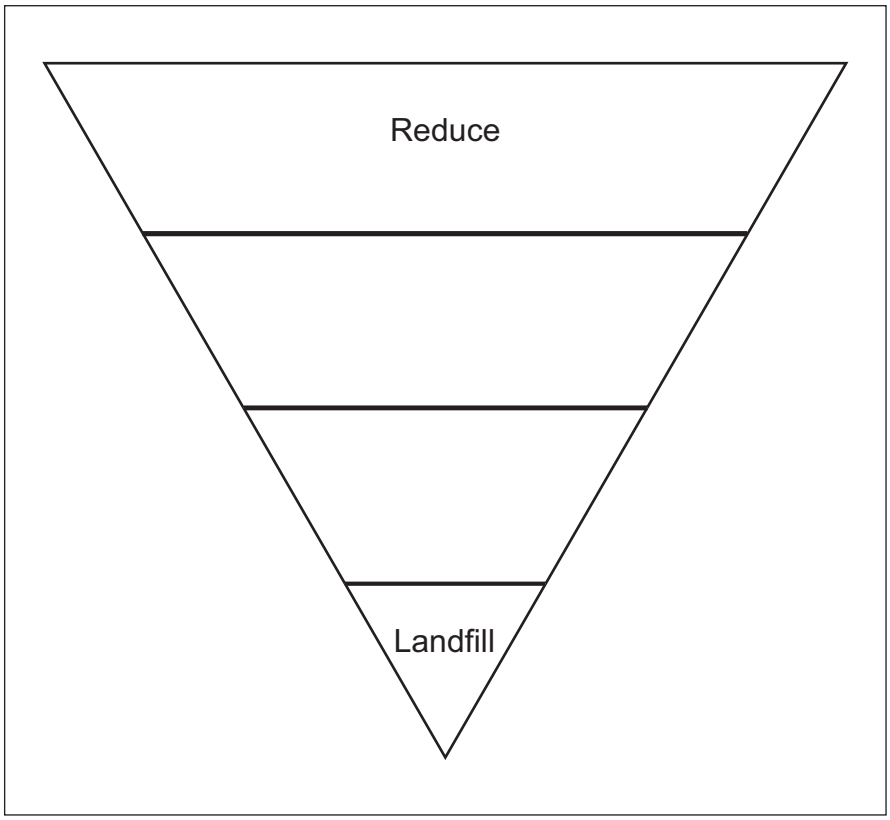


**Fig. 5**

**(i)** Complete **Fig. 5** by writing the missing waste management methods in the correct order in the hierarchy. [2]

**(ii)** State **two** examples of how to reduce the amount of waste households produce.

1. _____

2. _____ [2]

**(d)** Describe and explain how **one** named ecotourism project you have studied can protect the environment.

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_____ [4]

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**Sources:**

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**Fig.2**....."From World's Cities in 2018, Data Booklet by Department of Economic and Social Affairs. © 2018 United Nations. Reprinted with the permission of the United Nations."
**Fig.3**....."Human Mortality Database (2023); United Nations - World Population Prospects (2022) – processed by Our World in Data © CC BY 4.0 https://creativecommons.org/licenses/by/4.0/"
**Table 3**....© World Bank Group Datasets
**Fig.4**.....© European Environment Agency. 'Melting area 1979–2008 and mass change 2003–2009 of the Greenland ice sheet' © CC BY 4.0 https://creativecommons.org/licenses/by/4.0/

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| For Examiner's use only | |
|---|---|
| Question Number | Marks |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| Total Marks | |

Examiner Number

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