

Surname:

Forename(s):

Geography

Spring Mock 1: Paper 2 Challenges of the Human Environment

Class:

Teacher:

Y10 May Mock Examination

Time Limit: 1 hour 30 minutes

Materials

- No additional materials are required.

Instructions

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*

Information





- The total mark for this paper is 63
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*

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

For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD 

WRONG METHODS    

If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

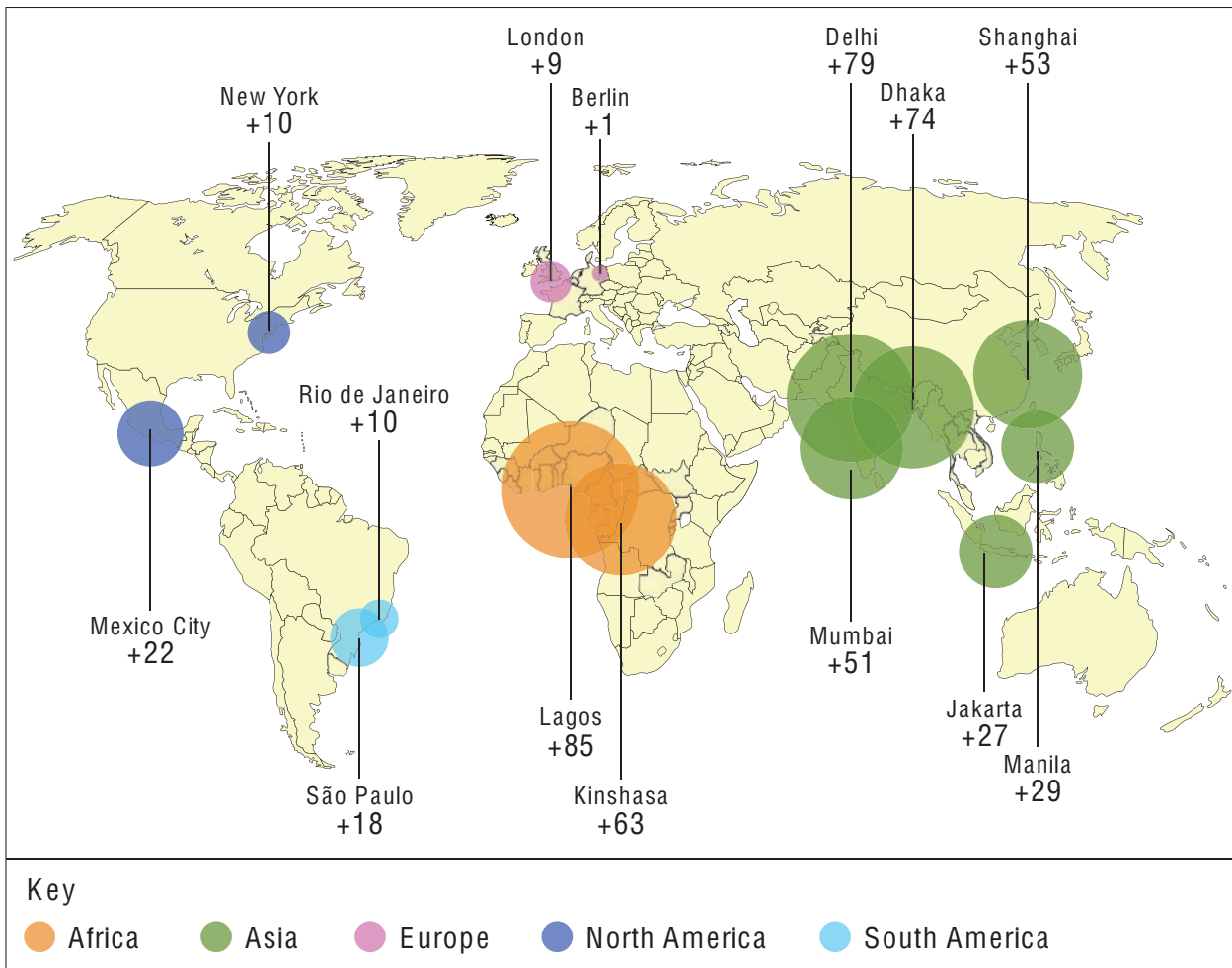
Section A Urban issues and challenges

Answer **all** questions in this section.

Question 1 Urban issues and challenges

Study **Figure 1**, a world map showing the rate of growth for some major cities, measured in people per hour.

Figure 1



0 1 . 1

Calculate the mean rate of growth per hour for the Asian cities shown in **Figure 1**.

Answer to the nearest whole number.

[2 marks]

Show your working

Answer = _____ people per hour

0 1 . 2

Outline **one** reason for the slower rates of growth in HIC cities.

[2 marks]

0 1 . 3

Give **one** way in which a major city in an LIC/NEE is regionally important.

[1 mark]

Name of city _____

Regional importance _____

Question 1 continues on the next page

Turn over ►



Study **Figure 2**, a newspaper extract about urban change in sub-Saharan Africa.

Figure 2

Housing in sub-Saharan Africa improves but millions still live in slums

A new study of housing quality in sub-Saharan Africa states ‘there has been a dramatic improvement in living conditions during the past 15 years’.

Researchers found housing had improved across several measures during the period. Amount of living space, access to water and sanitation, and good quality construction were found in 23% of houses in 2015, up from 11% in 2000.

The study’s author said, “Our study shows that many people are investing in their homes, but there is also an urgent need for governments to help improve infrastructure.”

0 1 . 4

Explain how urban planning is improving quality of life for the urban poor.

Use **Figure 2** and an LIC/NEE example you have studied.

[6 marks]



Extra space _____

Study **Figure 3**, a photograph and factfile about transport improvements in Utrecht, a city in the Netherlands.

Figure 3



From Bus Stops to Bee Stops

- 316 bus stops have green roofs covered in plants
- All have LED lighting and 96 have solar panels
- The base of the shelter is made of recycled concrete

0 1 . 5

Suggest how developments such as this can help urban areas to become more sustainable.

Use **Figure 3** and your own understanding.

[4 marks]

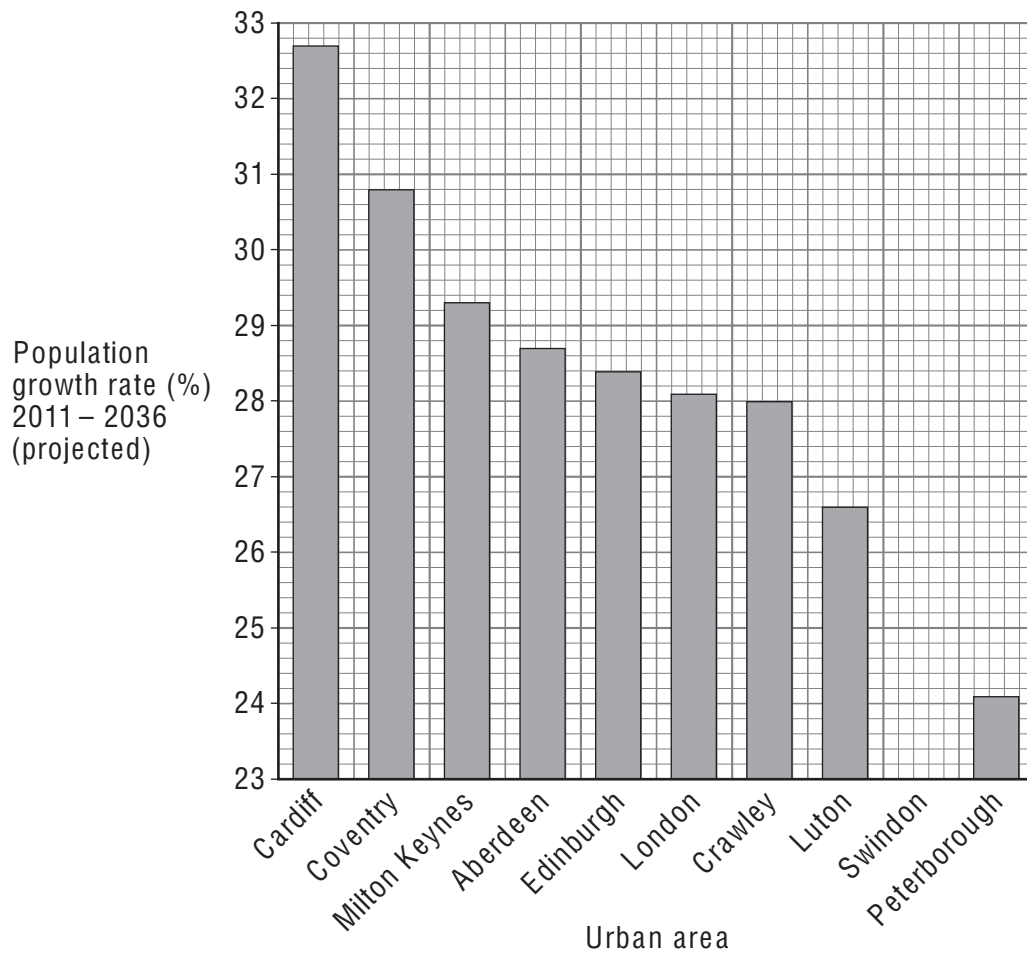
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Extra space _____

Study **Figure 4**, a graph showing the 10 UK urban areas with the highest population growth rate (%), 2011–2036 (projected).

Figure 4



0 1 . 6

Complete **Figure 4** using the following data.

[1 mark]

City	Population growth rate (%) 2011–2036 (projected)
Swindon	26.5

0 1 . 7

Calculate the range of population growth rate (%), 2011–2036 (projected) for the urban areas shown in **Figure 4**.Shade **one** circle only.

[1 mark]

- A 8.0%
- B 8.3%
- C 8.6%
- D 8.9%

Question 1 continues on the next page

Turn over ►



Study **Figure 5**, a map showing the 10 highest and 10 lowest UK urban areas for population growth rate (%), 2011–2036 (projected).

Figure 5



0 1 . 8

Compare the distribution of the 10 highest and 10 lowest urban areas shown in **Figure 5**.

[2 marks]

0 1 . 9

Outline how international migration has affected a UK city you have studied.

[2 marks]

Name of UK city _____

Question 1 continues on the next page

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33

End of Section A
Turn over for Section B

Turn over ►



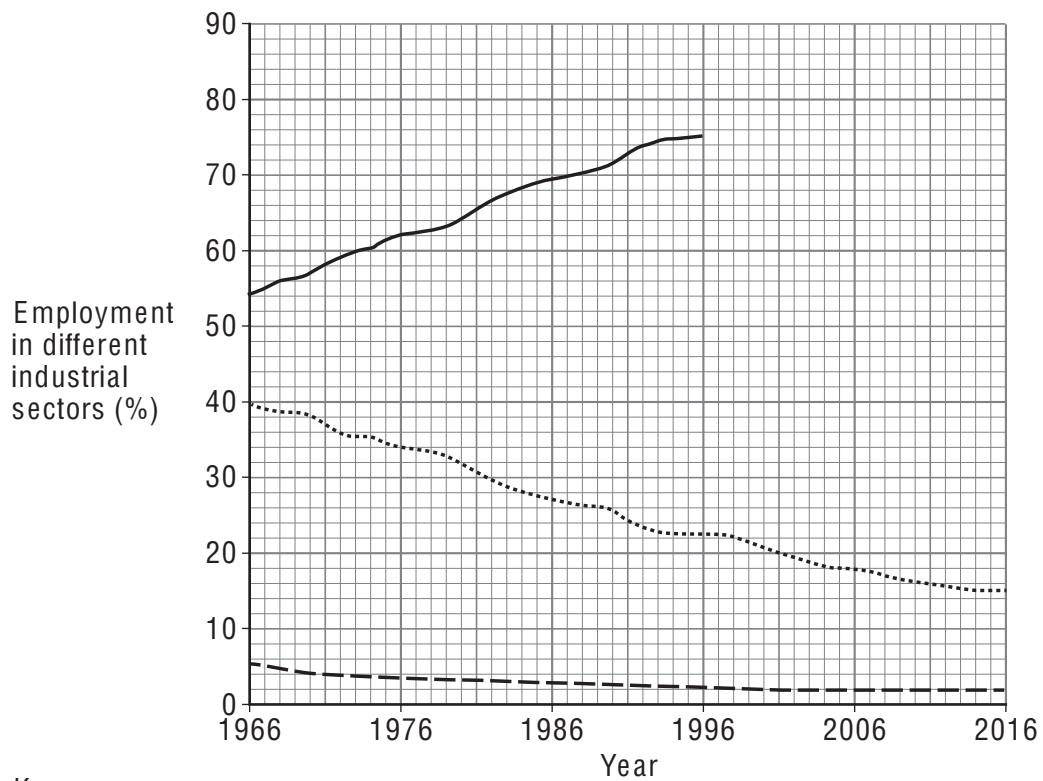
Section B

Section B The changing economic world

Question 2 The changing economic world

Study **Figure 6**, a graph showing the percentage of employment in different industrial sectors in the UK.

Figure 6



Key
 - - - Primary industry
 Secondary industry
 — Service industry

0 2 . 1

Complete **Figure 6** using the following data.

[2 marks]

Year	% employment in service industry
2006	81
2016	84



0 2 . 2

Calculate the difference between employment (%) in primary industry and secondary industry in 2016.

Shade **one** circle only.

[1 mark]

- A** 13%
- B** 17%
- C** 69%
- D** 82%

0 2 . 3

Which **one** of the following describes the change in employment in secondary industry from 1966 to 2016?

Shade **one** circle only.

[1 mark]

- A** It halves
- B** It more than halves
- C** It stays the same
- D** It doubles

0 2 . 4

Outline **one or more** reasons for the decline of traditional industries in the UK.

[3 marks]

Question 2 continues on the next page

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Question 2 continues on the next page

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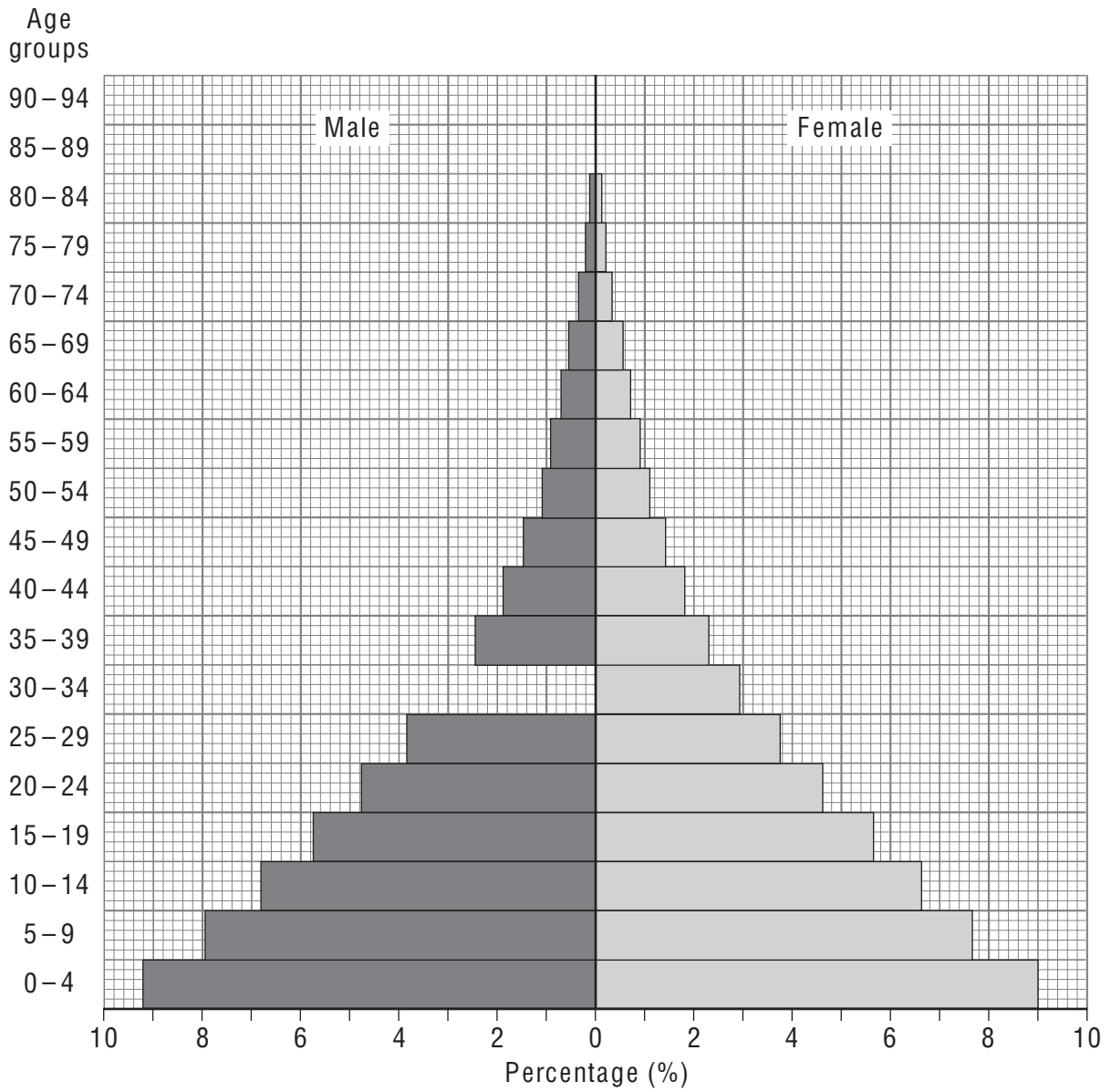
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ANSWER IN THE SPACES PROVIDED

Turn over ►



Study **Figure 8**, a population pyramid for Chad (2019).

Figure 8



0 2 . 6

Complete **Figure 8** using the following data.

[1 mark]

Males aged 30–34	3%
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0 2 . 7Using **Figure 8**, calculate the percentage (%) of children aged 0–4 years old.Shade **one** circle only.**[1 mark]****A** 9.0%**B** 9.2%**C** 15.6%**D** 18.2%**0 2 . 8**

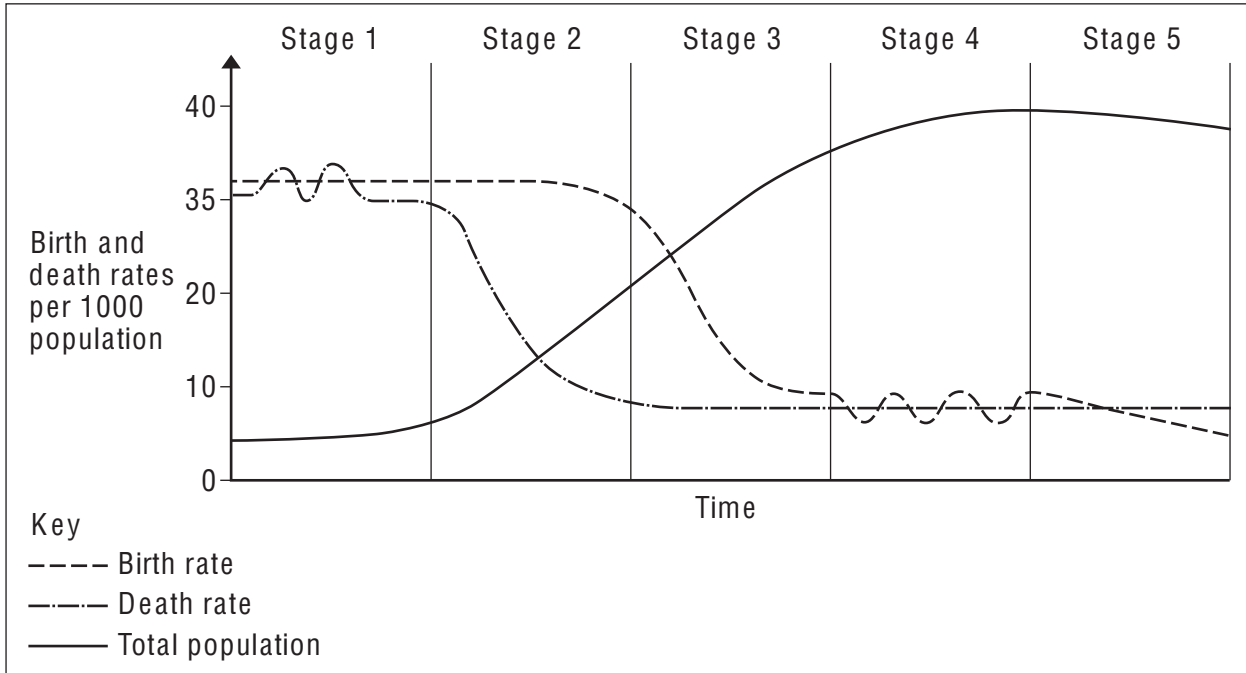
What is meant by infant mortality rate?

[2 marks]

Question 2 continues on the next page**Turn over ►**

Study **Figure 9**, the Demographic Transition Model.

Figure 9



0 2 . 9

Using **Figure 9**, suggest how population change in Stage 3 may have economic benefits.

[3 marks]



0 2 . 1 0

Describe **one or more** impacts that international aid has had on a named LIC/NEE country.

[4 marks]

Name of country _____

Extra space _____

Question 2 continues on the next page

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