Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Pearson Edexcel
Level 1/Level 2 GCSE (9–1)

Tuesday 21 May 2019

Afternoon (Time: 1 hour 30 minutes) | Paper Reference **1GB0/01**

Geography B

Paper 1: Global Geographical Issues

You must have:
Calculator

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *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.

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.

Turn over

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SECTION A

Hazardous Earth

Answer ALL questions in this section.

Write your answers in the space provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

1 (a) Study Figure 1 which shows a climate graph for Timbuktu, Mali located 16°N of the equator.

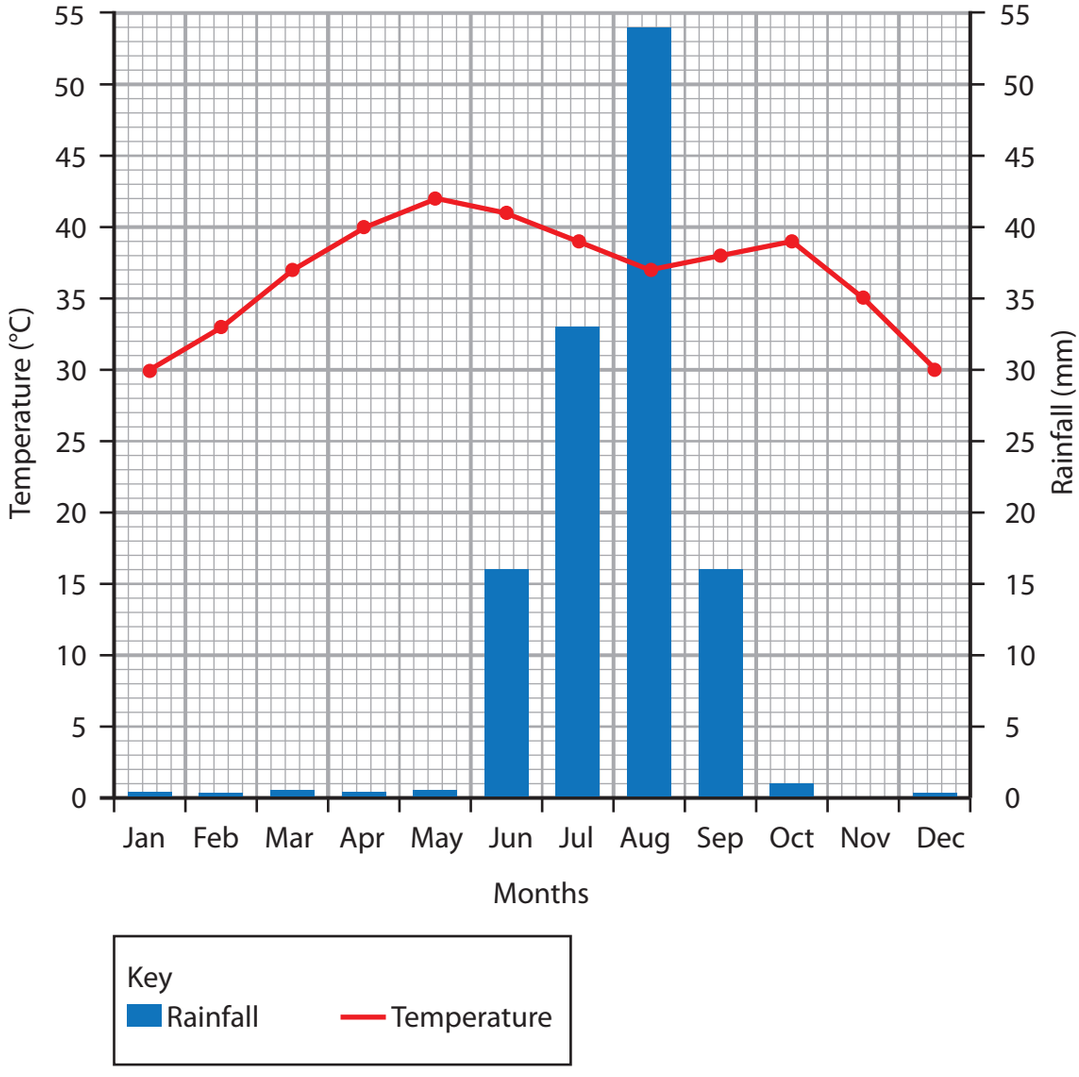

Figure 1

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(i) Identify which **one** of the following describes Timbuktu's climate.

(1)

☒ **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

(ii) Calculate the annual temperature range in Timbuktu.

(1)

..... °C

(b) Explain **one** reason why some areas are arid (have low rainfall).

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(c) Analyse the data in Figure 2.

Name of tropical cyclone	Location and date	Economic cost (US$ billions)	Number of deaths
Hurricane Katrina	Caribbean / USA August 2005	108	1,800
Typhoon Haiyan	South East Asia November 2013	3	7,200

Figure 2

Selected data for two tropical cyclones

(i) Calculate the ratio of the number of deaths between the two tropical cyclones.

(1)

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

(2)

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

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(d) Study Figure 3 which shows four projections about sea level rise from 2020 to 2100.

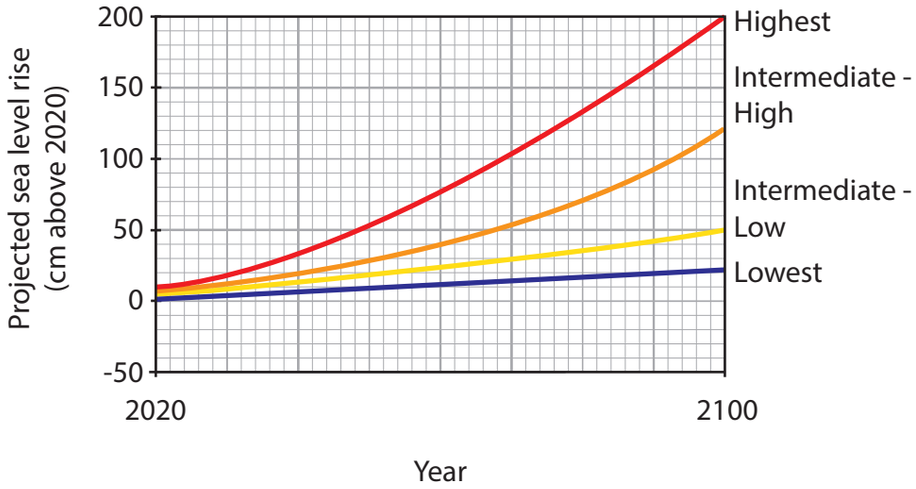

Figure 3

(i) Compare the highest and the lowest sea level projections.

(2)

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(ii) Using data from Figure 3 explain **two** reasons for the range of projections shown.

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

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(f) Study Figure 4 which shows Iceland's location on the Mid-Atlantic Ridge.

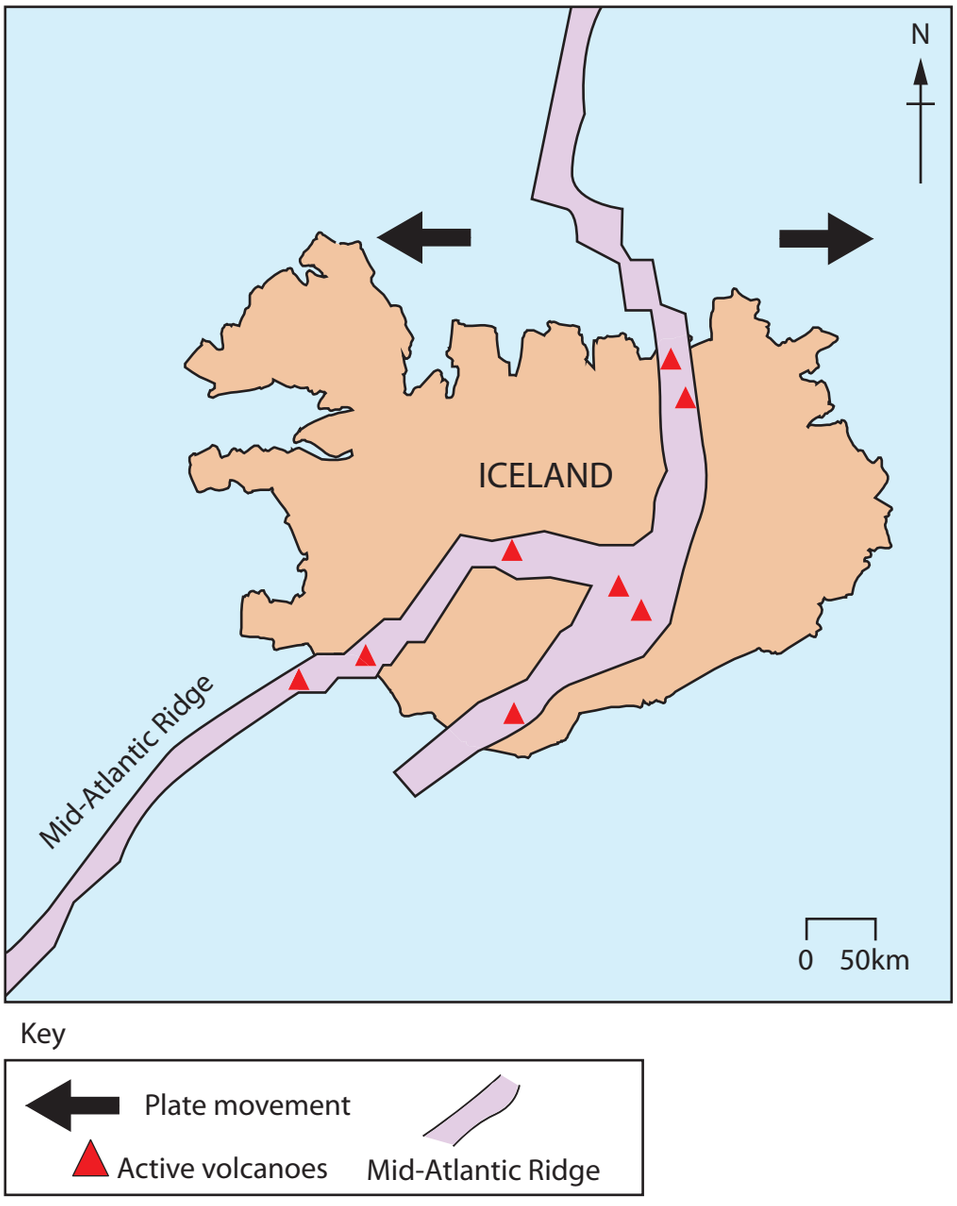

Figure 4

Identify which **one** of the following is the best description of Iceland's tectonic location.

(1)

☐ **A** on a convergent boundary

☐ **B** on a divergent boundary

☐ **C** on a continental plate

☐ **D** on a conservative boundary

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

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(h) Assess the importance of the primary and secondary impacts of **either** earthquakes **or** volcanoes in an emerging **or** developing country.

(8)

Named emerging or developing country .....

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(Total for Question 1 = 30 marks)

TOTAL FOR SECTION A = 30 MARKS

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SECTION B

Development Dynamics

Answer ALL questions in this section.

Write your answers in the space provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

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**.

(1)

☐ **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

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

(2)

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(b) Study Figure 5 which is a choropleth map showing an index of political corruption, 2016.

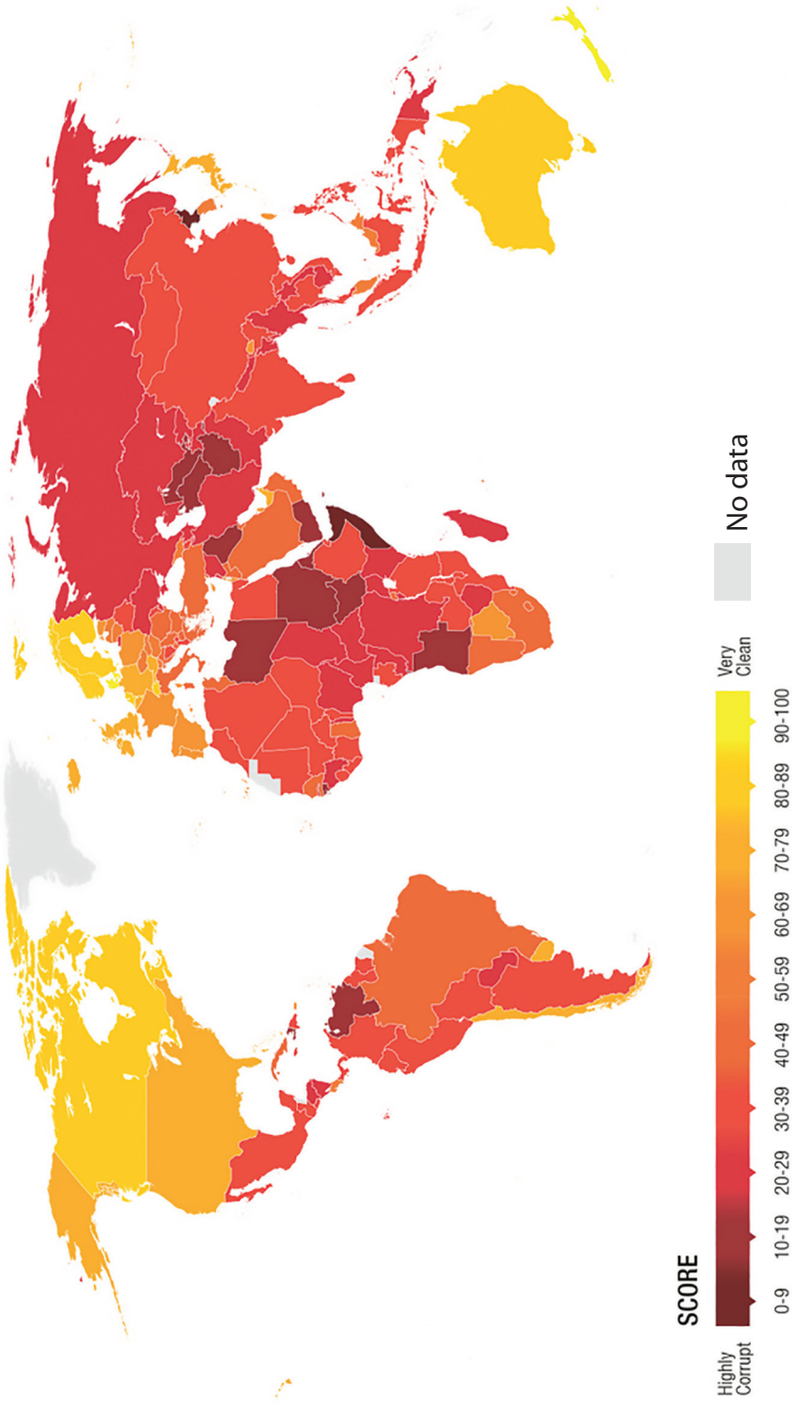

Figure 5

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(i) Identify which **one** of the following countries is the least corrupt.

(1)

☒ **A** Russia

☒ **B** China

☒ **C** Australia

☒ **D** India

(ii) Figure 5 is a choropleth map. State **two** disadvantages of this method of data presentation.

(2)

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

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(c) Analyse Figure 6a and Figure 6b which show the population pyramid of India for 2019 (Figure 6a) and the projected population pyramid for 2050 (Figure 6b).

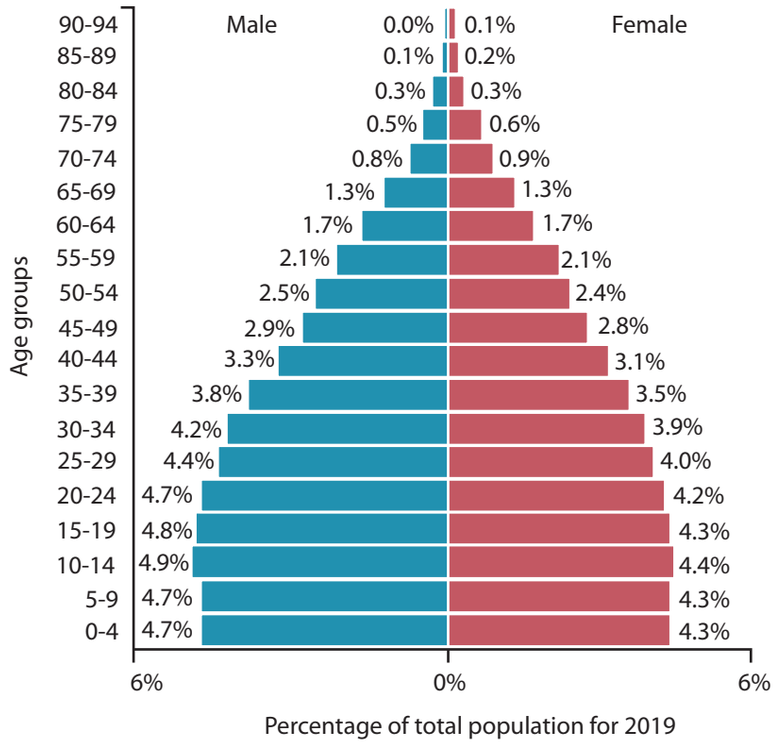

Figure 6a

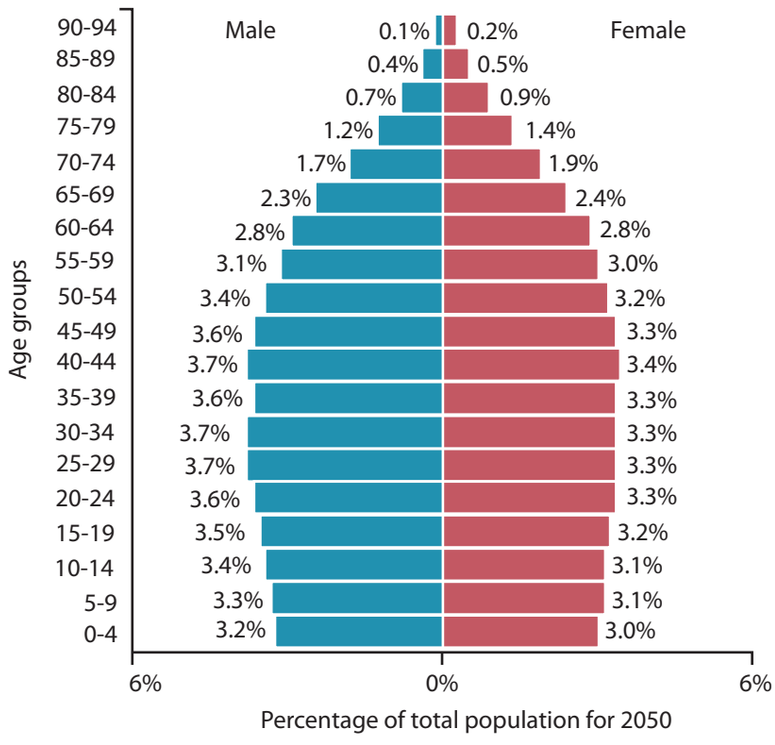

Figure 6b

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(i) Identify the age group with the highest population % in 2019.

(1)

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

(1)

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(iii) Compare these population pyramids.

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

(2)

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

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

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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)

Named emerging country .....

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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

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SECTION C

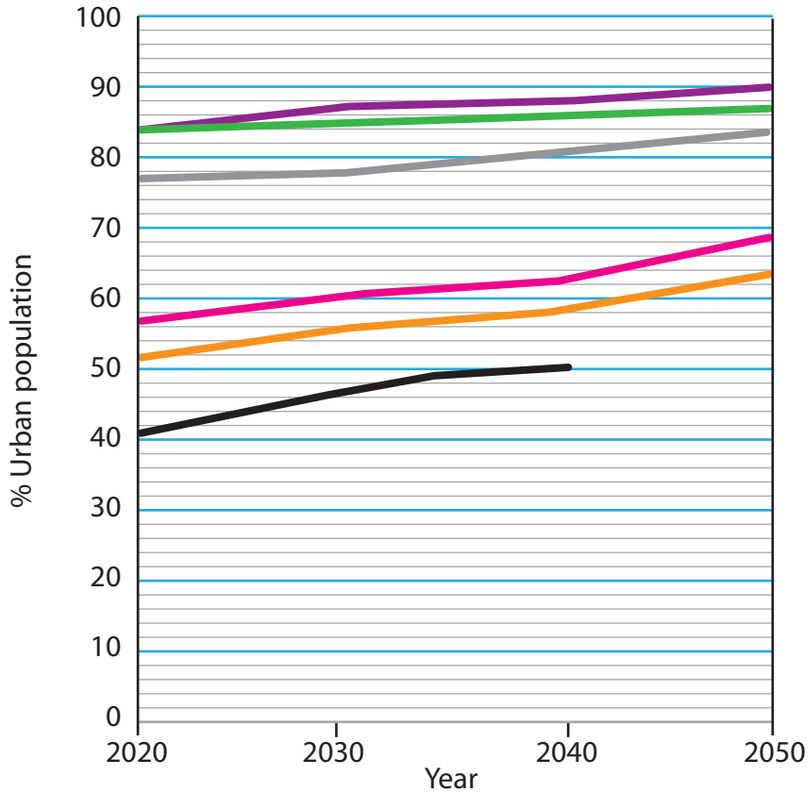
Challenges of an Urbanising World

Answer ALL questions in this section.

Write your answers in the space provided.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

3 (a) Study Figure 7 which shows projected global urbanisation trends, 2020 - 2050.



Key

World | Asia | Europe | South America | Africa | North America

Figure 7

(i) Between 2040 and 2050, the urban population of Africa is predicted to rise to 58%. Plot this information on Figure 7.

(1)

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(ii) Identify the percentage of the world's population living in urban areas in 2020.

(1)

- ☒ **A** 47
- ☒ **B** 57
- ☒ **C** 67
- ☒ **D** 77

(iii) Explain **one** reason why the percentage of the world's urban population is projected to increase.

(2)

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(b) Identify **two** characteristics of bottom-up development strategies intended to make megacities more sustainable.

(2)

- ☒ **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

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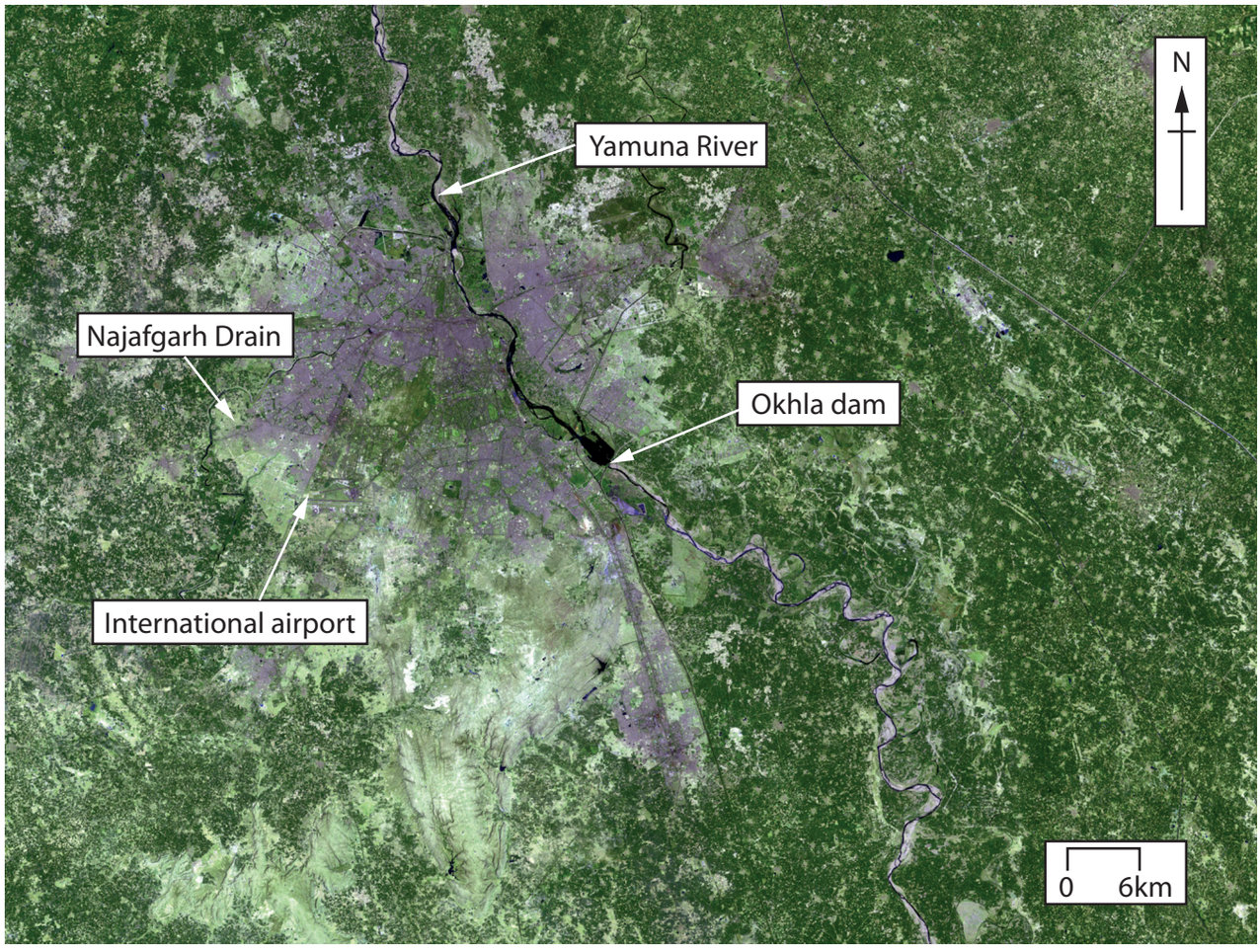
(c) Study Figures 8a and 8b which show satellite images of Delhi in 1991 (Figure 8a) and in 2016 (Figure 8b).



Land use in Delhi in 1991

Highly urban — Highly rural

Total population: 9.4 million

Figure 8a

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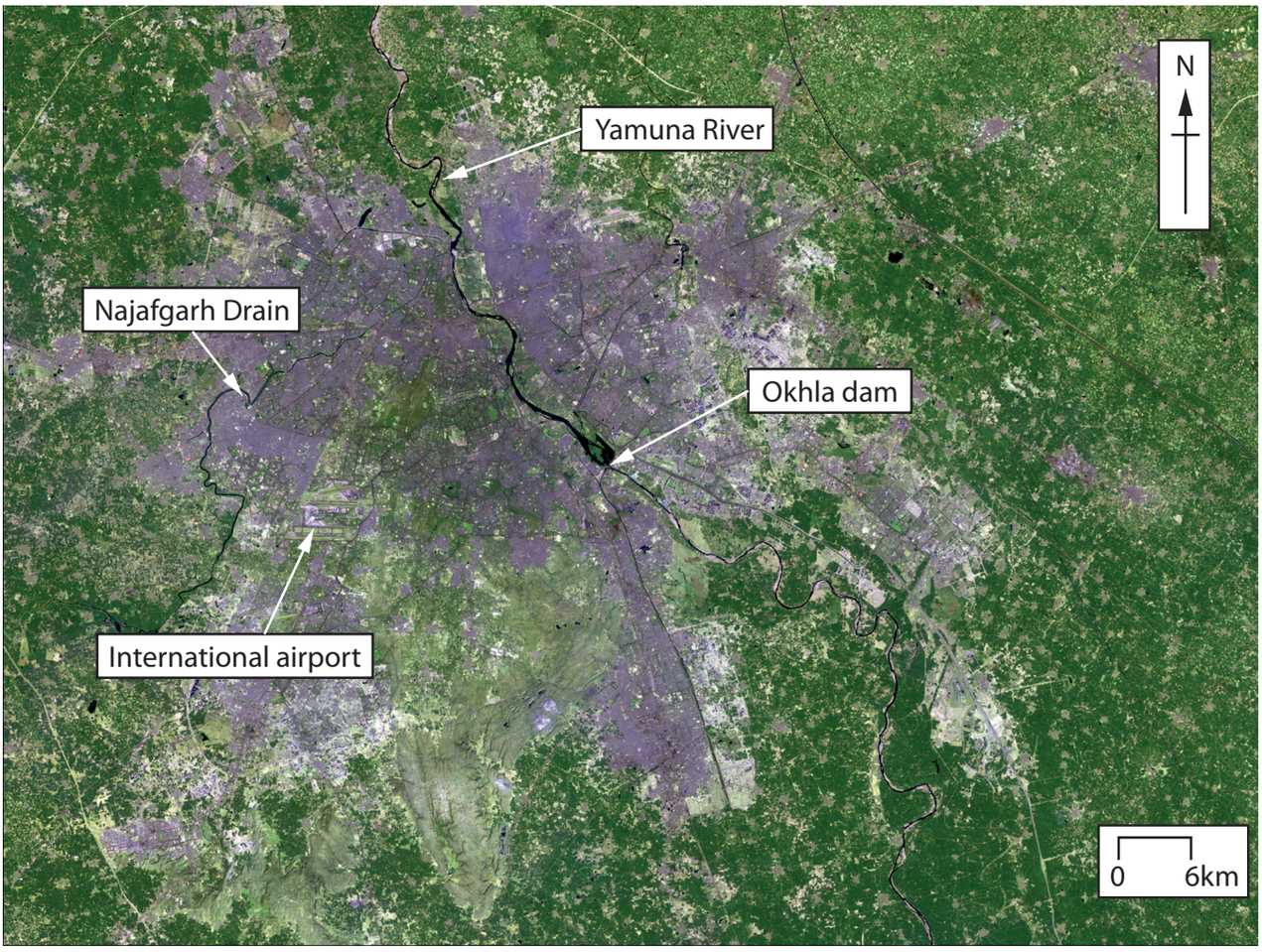

Land use in Delhi in 2016

Highly urban — Highly rural

Total population: 19.1 million

Key facts about Delhi (2016)
- Total population: 19.1 million
- In 2016 Delhi was declared the city with the world's worst air pollution.
- 52% of Delhi's population live in slums.
- Delhi produces 9,000 tonnes of solid waste per day.

Figure 8b

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(i) Calculate the percentage population increase of Delhi from 1991 to 2016.

Answer to **one** decimal place. Show your working.

(2)

..... %

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

(3)

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

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(d) Analyse Figure 9 which shows the percentage population change in selected US cities, 2013 and 2014.

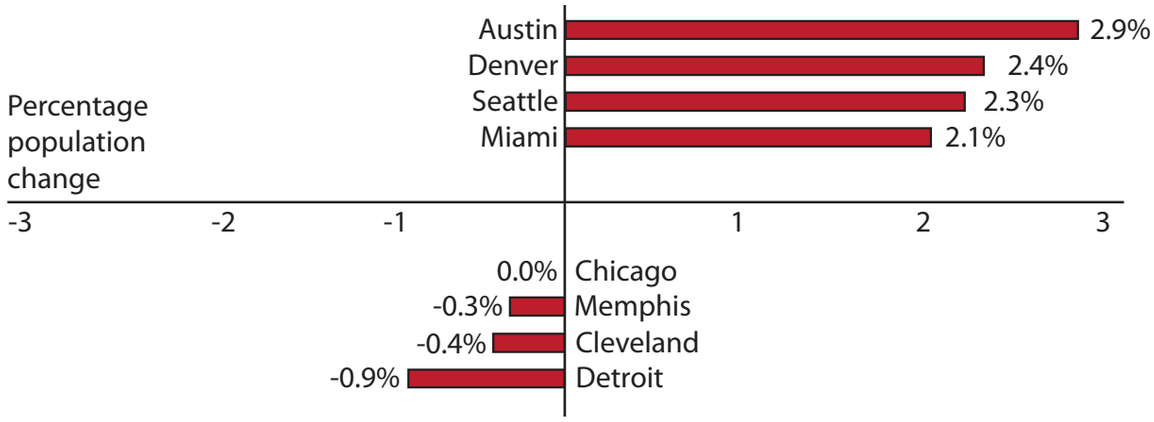

Figure 9

(i) Calculate the difference in percentage population change between Austin and Detroit.

(1)

..... %

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

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

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(f) For a named megacity, evaluate the success of different top-down development strategies.

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(Total for Question 3 = 30 marks)

TOTAL FOR SECTION C = 30 MARKS
TOTAL FOR PAPER = 94 MARKS

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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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