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LUI

Venue code

School name

Given name/s

Family name

Attach your
barcode ID label here

Sample assessment 2020

Question and response book

Geography

Time allowed

- Planning time — 15 minutes
- Working time — 120 minutes

General instructions

- Answer all questions in this question and response book.
- Write using black or blue pen.
- Required equipment: coloured pencils, ruler, lead pencil, eraser.
- QCAA-approved calculator permitted.
- Planning paper will not be marked.

Section 1 (40 marks)

- 5 short response questions

Section 2 (15 marks)

- 1 extended response question



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Section 1

Instructions

- If you need more space for a response, use the additional pages at the back of this book.
 - On the additional pages, write the question number you are responding to.
 - Cancel any incorrect response by ruling a single diagonal line through your work.
 - Write the page number of your alternative/additional response, i.e. See page ...
 - If you do not do this, your original response will be marked.
 - This section has five questions and is worth 40 marks.
-

QUESTION 1 (4 marks)

a) Explain the concept of the rate of natural change. *[1 mark]*

b) Explain how different rates of natural change shape the identity of places. *[3 marks]*

QUESTION 2 (13 marks)

- a) Use the data in Table 1 to create a scattergraph showing the correlation between GDP per capita and RNI for all countries in Table 1. Provide your answer in the graph paper.

[6 marks]

Table 1: Gross domestic product (GDP) and rate of natural increase (RNI) for selected countries, 2016

Region	Country	GDP per capita (US\$)	RNI (%)
Africa	Algeria	2723	1.8
	Angola	3308	3.3
	Benin	789	2.8
	Burkina Faso	627	3.0
	Egypt	3478	2.0
	Niger	364	3.8
	Tanzania	877	3.1
	Uganda	580	3.3
South America	Brazil	8649	0.8
	Chile	13 792	0.7
	Colombia	5805	0.9
	Ecuador	6018	1.5
	Peru	6049	1.3
Europe	Albania	4125	0.5
	Finland	43 430	0.0
	France	36 857	0.3
	Italy	30 669	-0.2
	Norway	70 867	0.3
	Spain	26 615	0.0

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Note: If you make a mistake in the graph paper, cancel it by ruling a single diagonal line through your work and use the additional graph paper on page 16 of this question and response book.



- b) Analyse the graph you created in 2a) to describe the spatial pattern and identify the relationship evident. Make inferences about how Niger could move closer to the line of best fit.

[7 marks]

QUESTION 3 (5 marks)

a) What is international migration?

[1 mark]

b) Explain how social, environmental and economic factors result in international migration.

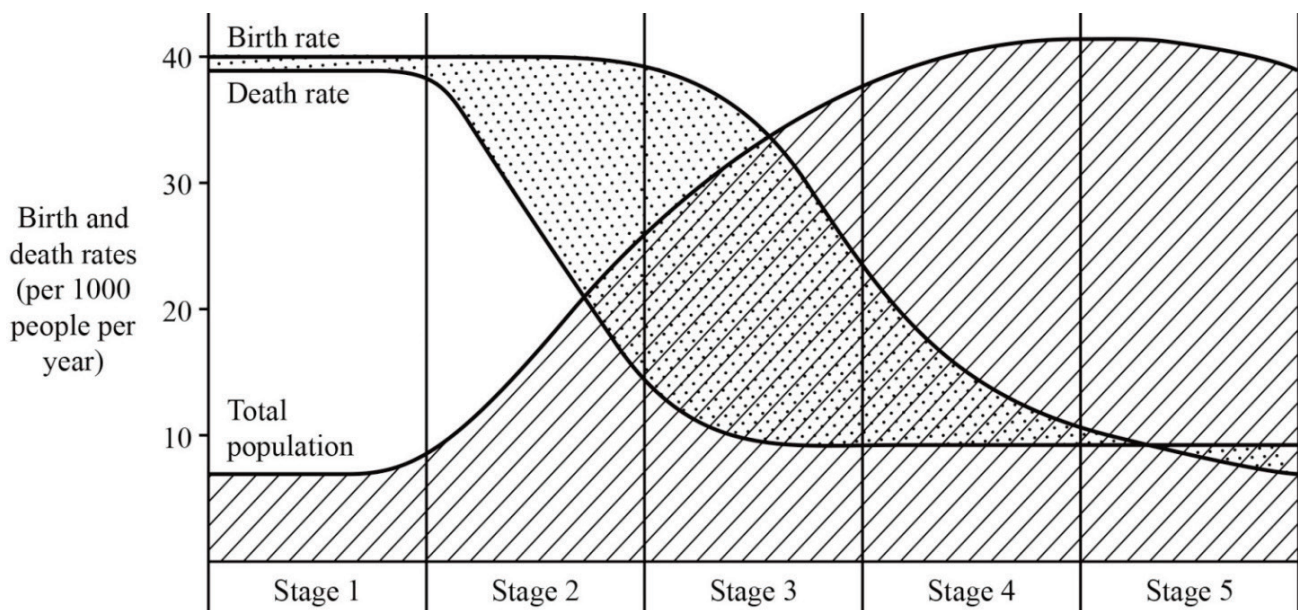
[4 marks]

QUESTION 4 (10 marks)

- a) Complete the diagram below by drawing typical population pyramids that represent the population structure for each stage of the Demographic Transition Model shown in Figure 1. [5 marks]

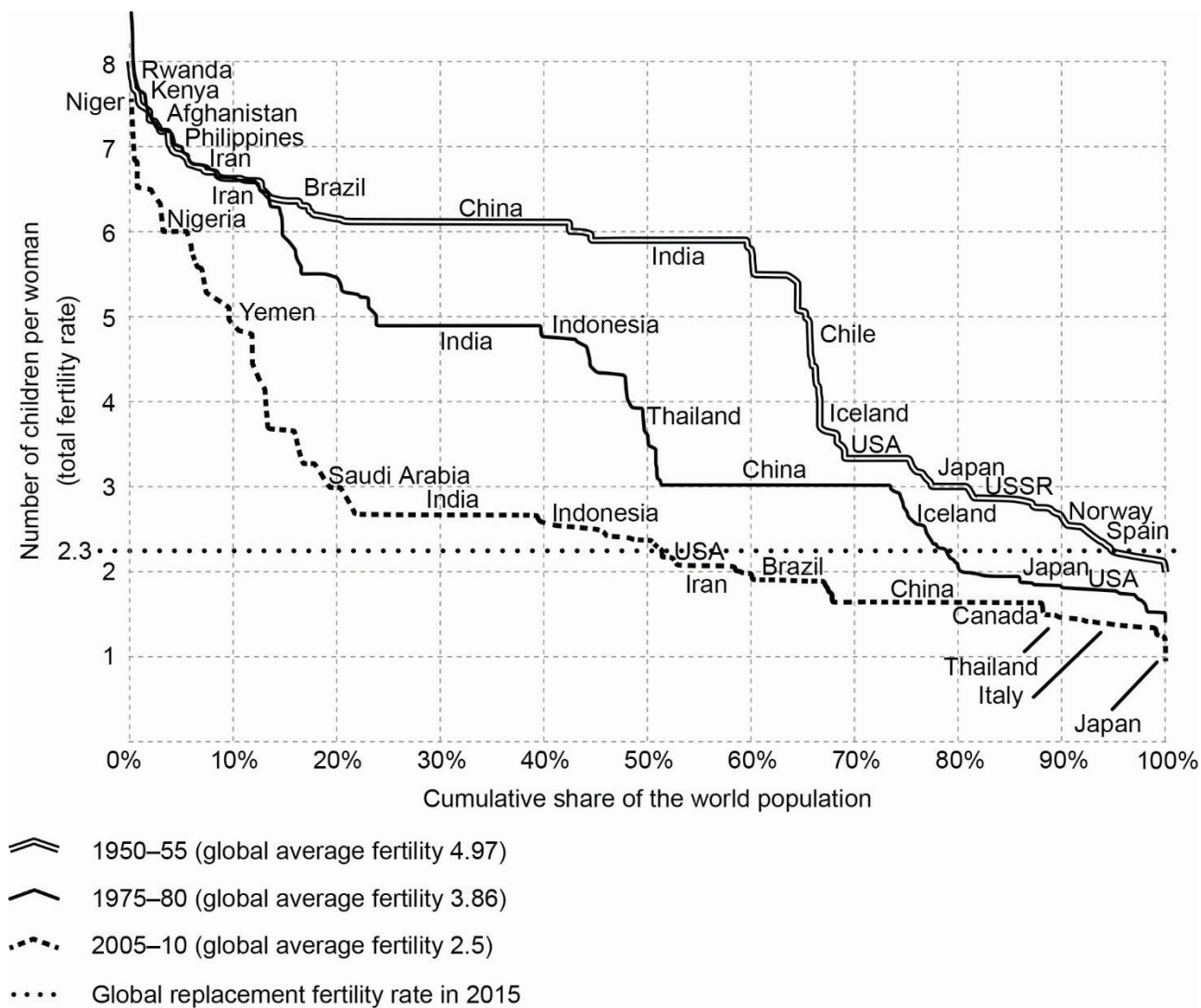
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Typical population pyramid					

Figure 1: Demographic Transition Model



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Figure 2: World population by level of fertility over time, 1950–2010



ADDITIONAL RESPONSE SPACE FOR QUESTION 2

If you want this graph paper to be marked, rule a diagonal line through the graph paper on page 3.



References

Question 2, Table 1

The World Bank 2019, 'GDP per capita (current US\$)', <https://data.worldbank.org/indicator>, licensed under CC BY 4.0, <https://creativecommons.org/licenses/by/4.0>.

—, 'Birth rate, crude (per 1000 people)', <https://data.worldbank.org/indicator>, licensed under CC BY 4.0, <https://creativecommons.org/licenses/by/4.0>.

—, 'Death rate, crude (per 1000 people)', <https://data.worldbank.org/indicator>, licensed under CC BY 4.0, <https://creativecommons.org/licenses/by/4.0>.

Question 4, Figure 1

Derived from Roser, M 2019, *The five stages of the demographic transition* in 'World population growth' in *Our World in Data*, <https://ourworldindata.org/world-population-growth>, licensed under CC BY SA 4.0, <https://creativecommons.org/licenses/by-sa/4.0>.

Question 5, Figure 2

Derived from Roser, M 2017, *World population by level of fertility over time (1950–2010)* in 'Fertility rate' in *Our World in Data*, <https://ourworldindata.org/fertility-rate>, data source United Nations Population Division (2012 revision), licensed under CC BY SA 4.0, <https://creativecommons.org/licenses/by-sa/4.0>.

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