

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.
- QCAA-approved calculator permitted.
- Planning paper will not be marked.

Section 1 (31 marks)

- 5 short response questions

Section 2 (16 marks)

- 1 extended response question

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School code

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School name

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Given name/s

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Family name

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Book of books used

Attach your
barcode ID label
here

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 31 marks.
-

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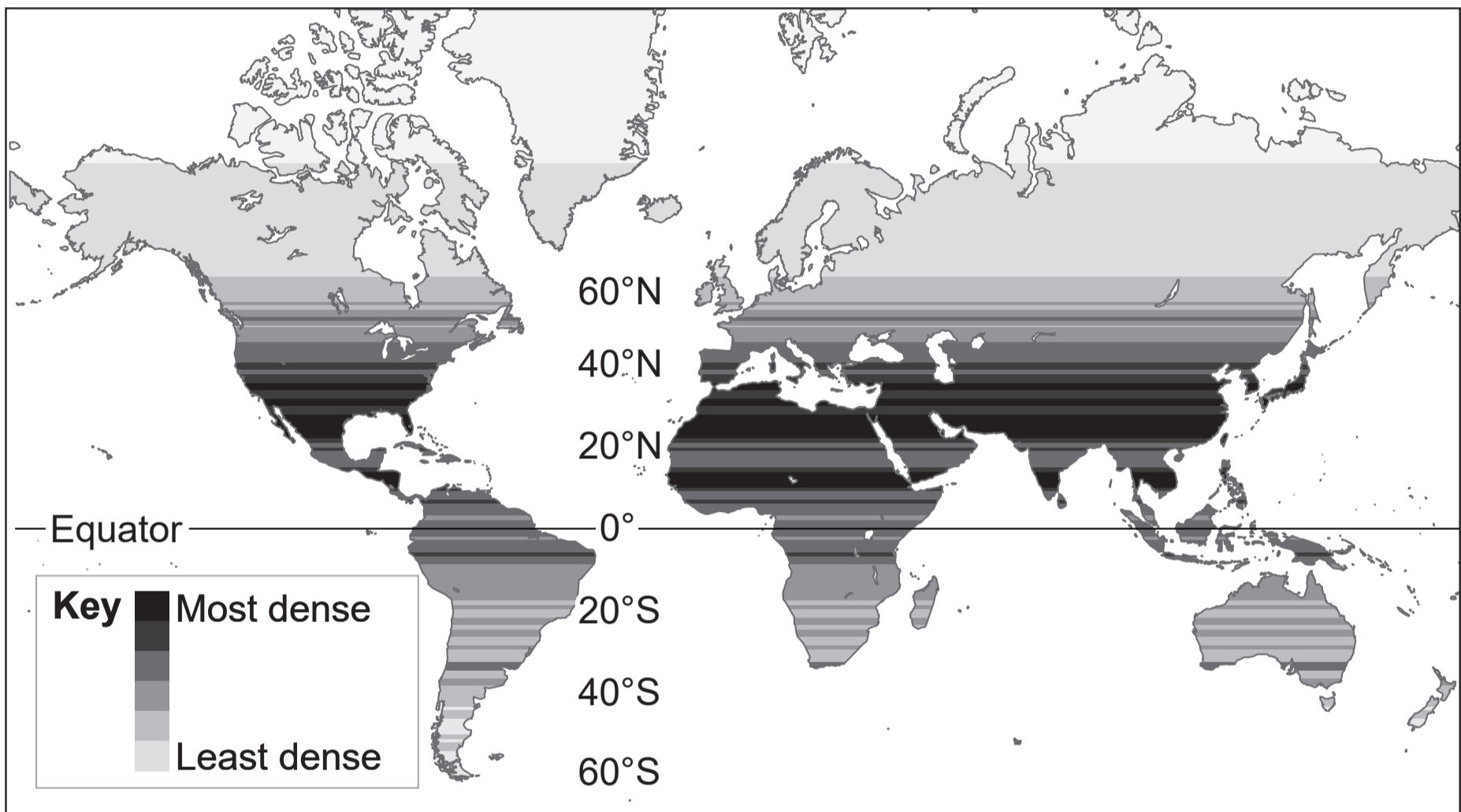
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Question 1 (5 marks)

Describe the population distribution shown in the map and suggest two reasons for the pattern — one for a zone of high population density and one for a zone of low population density.

World population density by latitude



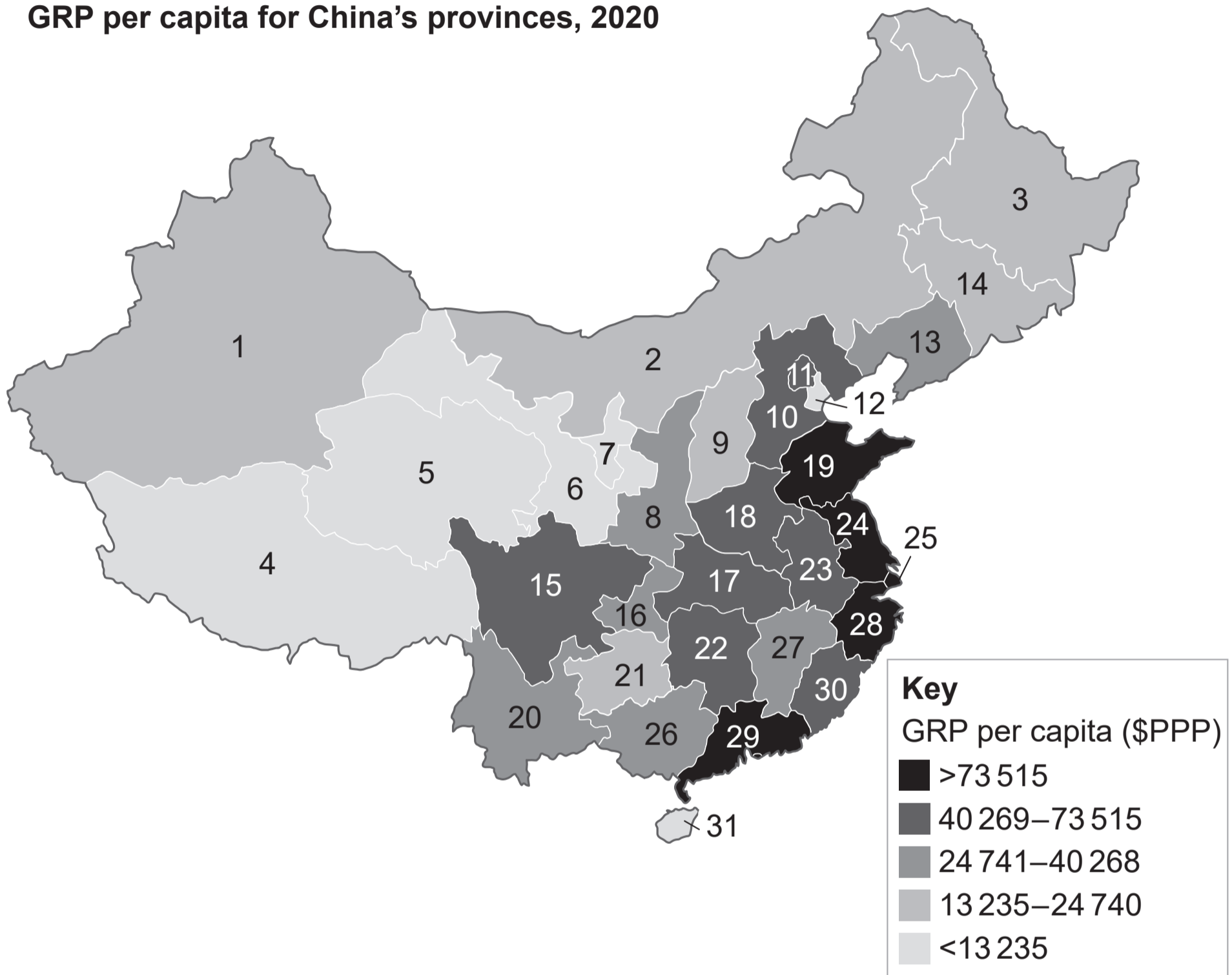
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Question 2 (6 marks)

How could gross regional product (GRP) in China be used to explain Rostow's Stages of Growth Model? Provide an example for each stage from the map to support your explanation.

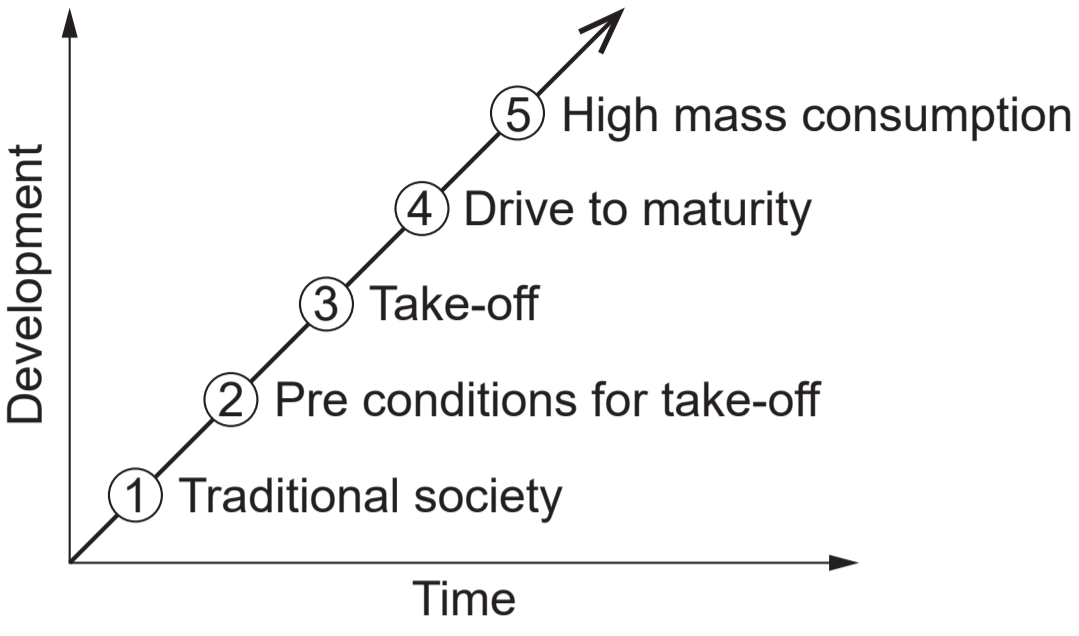
GRP per capita for China's provinces, 2020



1 Xinjiang	9 Shanxi	17 Hubei	25 Shanghai
2 Inner Mongolia	10 Hebei	18 Henan	26 Guangxi
3 Heilongjiang	11 Beijing	19 Shandong	27 Jiangxi
4 Xizang	12 Tianjin	20 Yunnan	28 Zhejiang
5 Qinghai	13 Liaoning	21 Guizhou	29 Guangdong
6 Gansu	14 Jilin	22 Hunan	30 Fujian
7 Ningxia	15 Sichuan	23 Anhui	31 Hainan
8 Shaanxi	16 Chongqing	24 Jiangsu	

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Rostow's Stages of Growth Model

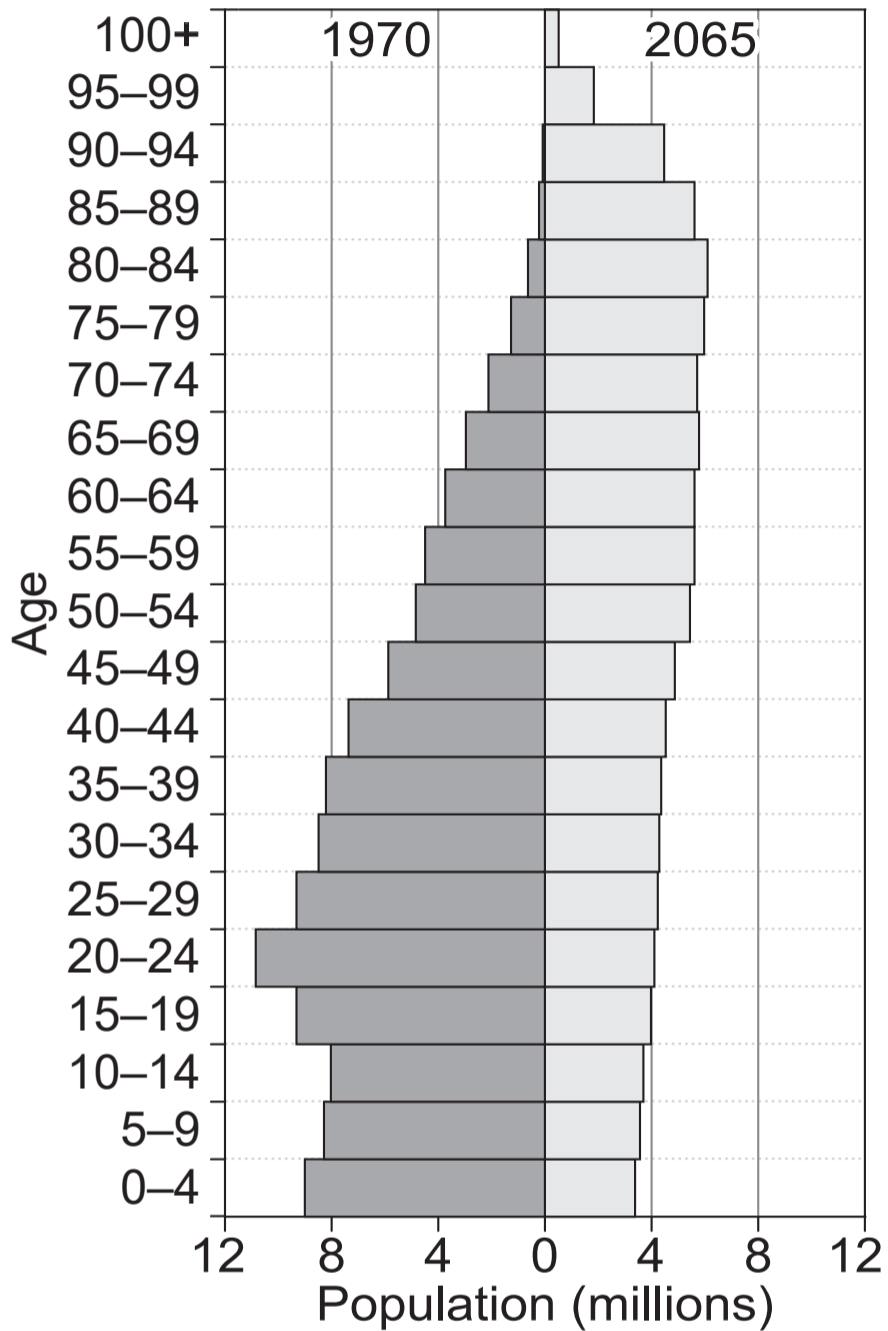


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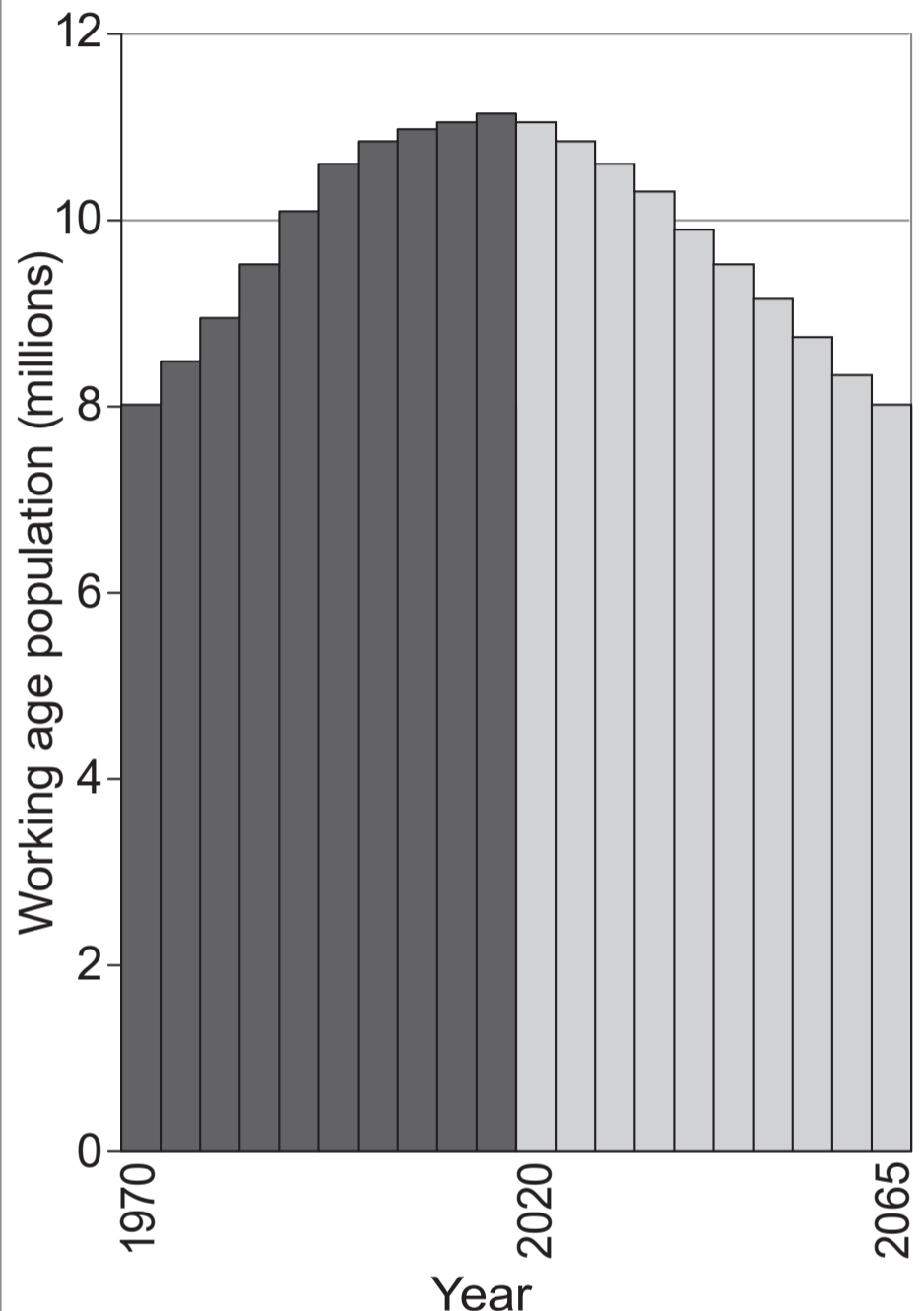
Question 3 (5 marks)

Analyse the graphs and explain three challenges facing Japan in relation to natural population change. Provide evidence to support your response.

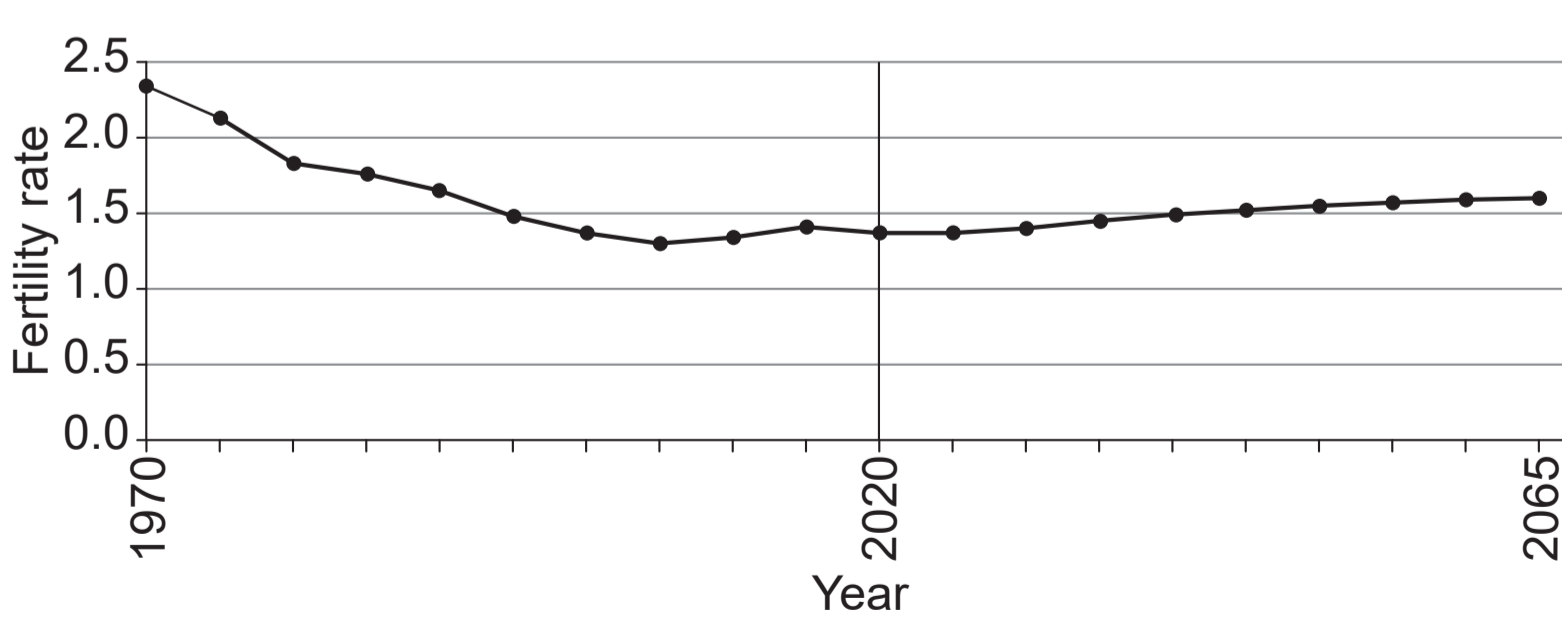
Japan, population by age 1970 and 2065 (projected)



Japan, working age population (15–64 years) 1970–2065 (projected)



Japan, total fertility rate 1970–2065 (projected)



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Question 4 (11 marks)

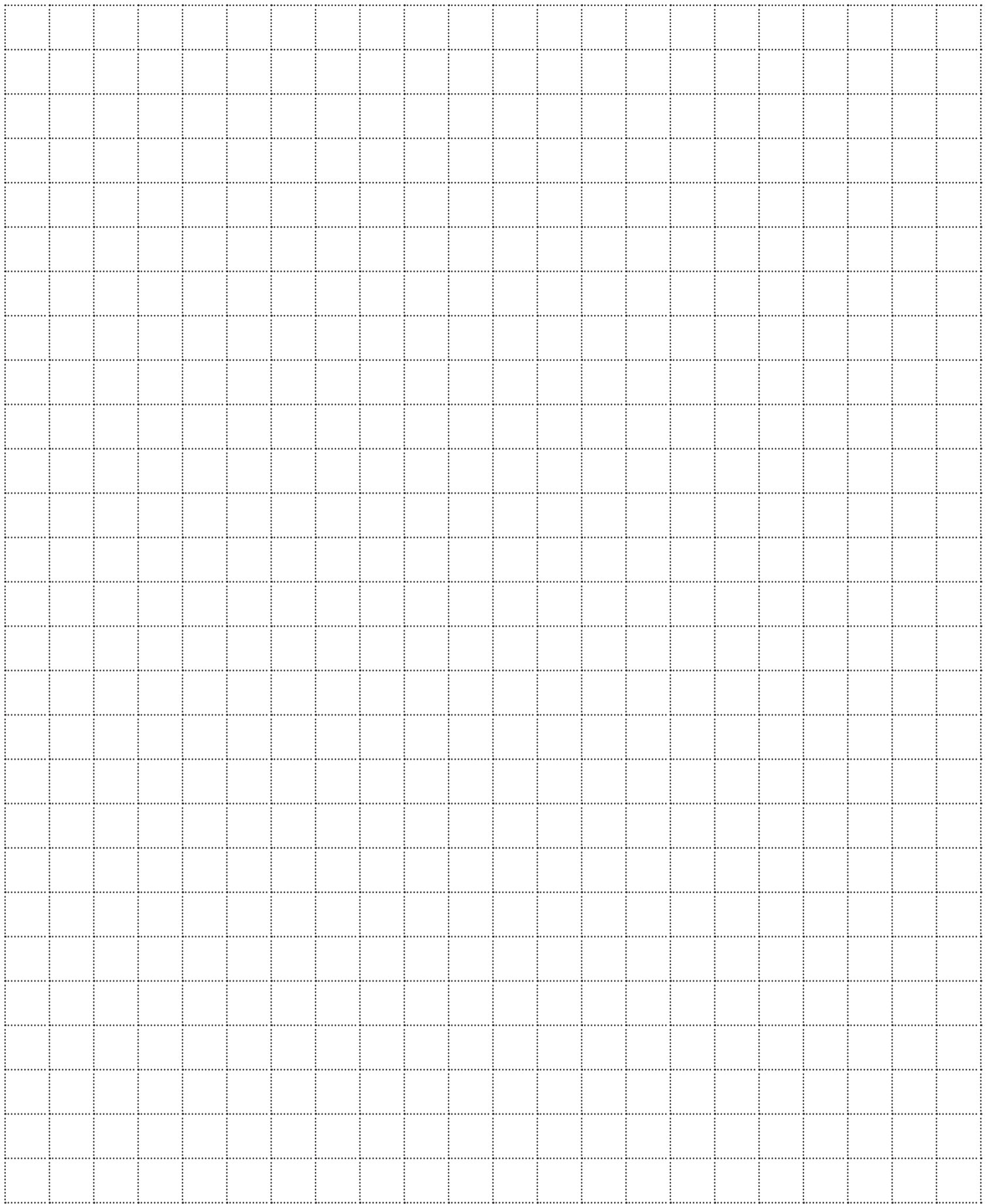
- a) Use the data in the table to construct a graph showing the old age dependency ratio (older persons per 100 working-age persons) for the selected countries. [4 marks]

Old age dependency ratio, selected countries, 2020–2075 (projected)

	2020	2025	2050	2075
Australia	28	31	42	48
China	18	20	47	59
Germany	36	41	58	61
India	11	13	22	32
Ireland	25	29	51	51
Italy	40	46	74	67
Japan	52	54	81	75

Note: If you make a mistake in the graph on page 9, cancel it by ruling a single diagonal line through your work and use the additional response space at the back of this question and response book.

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b) Analyse the graph you constructed in Question 4a) to describe the trends evident. Provide a reason to explain the projected trend for Italy. [5 marks]

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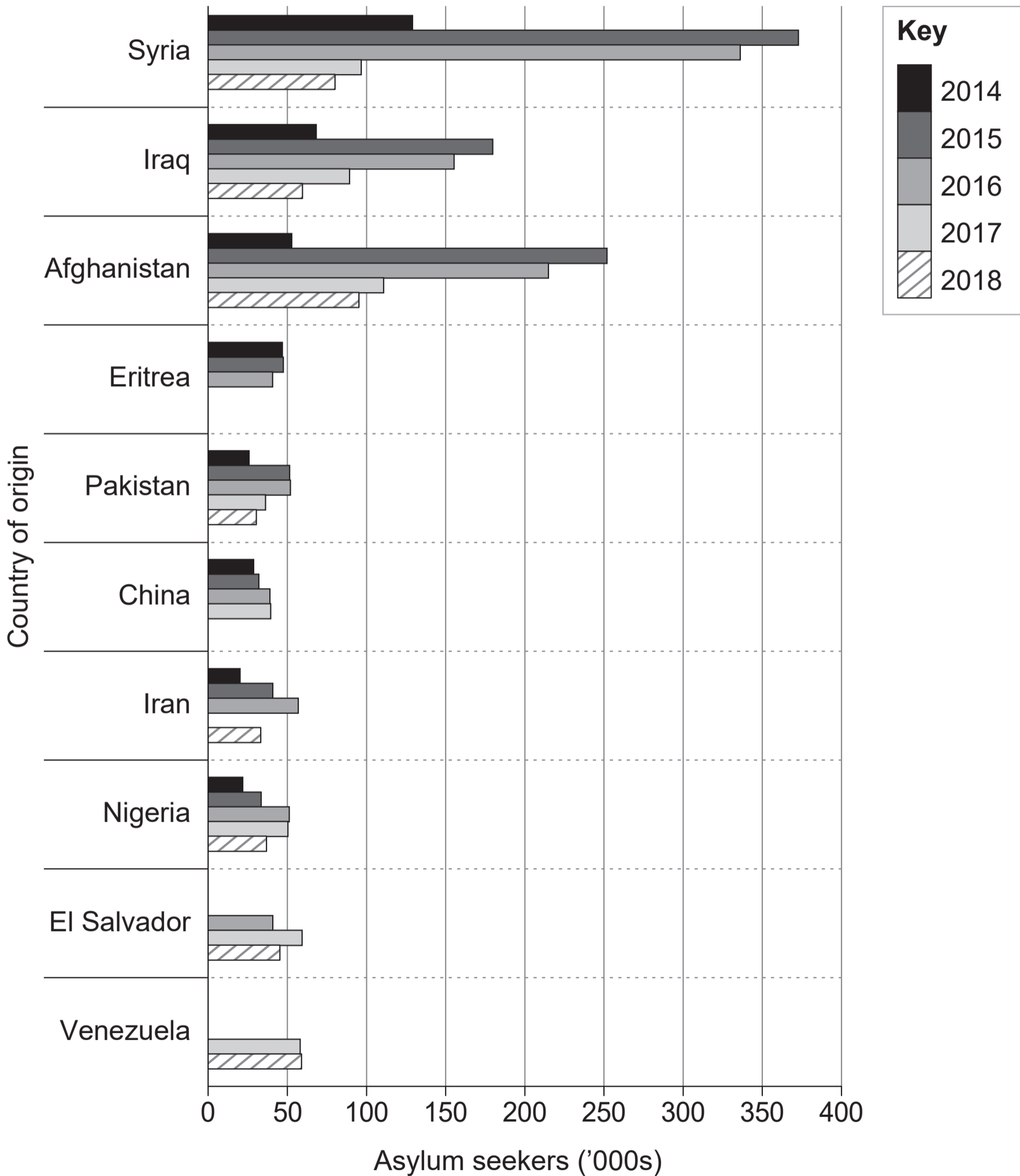
c) For a country other than Italy, explain a geographical challenge arising from the trend in projected old-age dependency. [2 marks]

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Question 5 (4 marks)

Analyse the graph to describe the trends in the origin of asylum seekers from 2014 to 2018. Suggest a reason to explain the trend in one country and identify an impact of the trend for that country.

Top 10 asylum seeker countries of origin, 2014–2018



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Section 2

Instructions

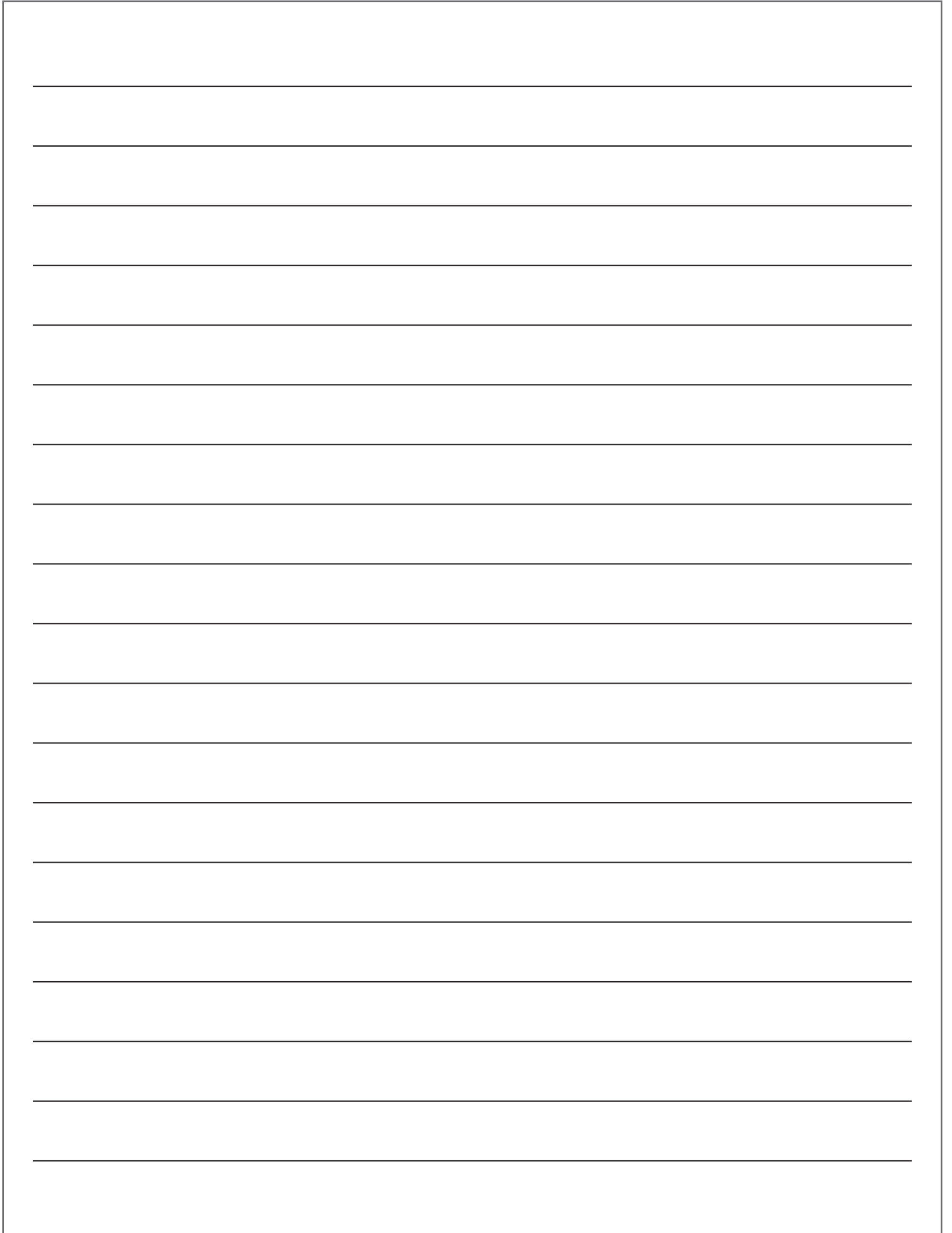
- Respond in paragraphs consisting of full sentences.
 - This section has one question and is worth 16 marks.
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Question 6 (16 marks)

Analyse Stimulus 1–7 in the stimulus book to make inferences about a geographical challenge for Lagos. Apply your understanding from the analysis to generalise about the impacts of the identified challenge on people or place.

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End of paper

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Additional page for student responses

Write the question number you are responding to.

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Additional page for student responses

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References

Question 1

Rae, A 2022, 'Mapped: The world's population density by latitude', Visual Capitalist, 6 May, www.visualcapitalist.com/cp/mapped-the-worlds-population-density-by-latitude. CC-BY 4.0.

Question 2

Data derived from Wikipedia List of Chinese administrative divisions by GDP per capita, https://en.wikipedia.org/wiki/List_of_Chinese_administrative_divisions_by_GDP_per_capita. Creative Commons Attribution-ShareAlike Licence 4.0 (CC BY-SA 4.0).

Question 3

Data sourced from:

Government of Japan Cabinet Office 2020, 'Trend in Ageing Population and Projection for the Future', Annual Report on the Ageing Society [Summary] FY 2020, p. 3, www8.cao.go.jp/kourei/english/annualreport/index-wh.html.

United Nations Department of Economic and Social Affairs 2022, World Population Prospects 2022, <https://population.un.org/wpp>.

Question 4

Data adapted from: OECD 2023, Old-age Dependency Ratio (indicator), <https://data.oecd.org/pop/old-age-dependency-ratio.htm#indicator-chart>.

Question 5

Data sourced from: Table 1.7 in OECD 2020, 'Recent developments in international migration movements and policies', International Migration Outlook 2019, www.oecd-ilibrary.org/sites/c3e35eec-en/1/2/1/index.html?itemId=/content/publication/c3e35eec-en&_



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