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PROCESSING LABEL HERE

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Write your **student number** in the boxes above.

Letter

Geography

Question and Answer Book

VCE Examination – Thursday 14 November 2024

- Reading time is **15 minutes**: 2.00 pm to 2.15 pm
- Writing time is **2 hours**: 2.15 pm to 4.15 pm

Approved materials

- Coloured pencils, water-based pens and markers

Materials supplied

- Question and Answer Book of 16 pages
- Data Book

Instructions

- Use the additional space at the end of this book if you need extra space to complete an answer.

Students are **not** permitted to bring mobile phones and/or any unauthorised electronic devices into the examination room.

Contents	pages
9 questions (80 marks)	2–11
Assessment criteria for extended-answer questions	14

Instructions

- Answer **all** questions in the spaces provided.
 - Write your responses in English.
 - Refer to the Data Book as indicated.
-

Question 1 (16 marks)

Name the location of your selected example of deforestation.

- a. Identify **two** reasons for the current land cover change at your selected location. 4 marks

Question 2 (4 marks)

For a selected location experiencing melting ice, state the scale of change over a defined period of time.

Use Figure 1 on pages 2 and 3 of the Data Book when responding to Question 4.

Question 4 (10 marks)

- a. Outline **one** way in which the analysis of satellite images or other forms of remote sensing would assist the geographer in identifying the land use change at this location. 3 marks

- b. Select another source of data that the geographer could use in an investigation of the change in land use at the site in Figure 1. Explain the value of this data source.
Do not use satellite images or other forms of remote sensing in this answer. 3 marks

- c. Describe **one** geospatial technology used in your fieldwork investigation at a selected site involving land use change. 4 marks

Question 5 (4 marks)

Name your selected country with an ageing population.

Identify **two** demographic characteristics that support your classification of this country as one with an ageing population.

Assessment criteria for extended-answer questions

The extended-answer questions will be assessed against the following criteria, as appropriate:

- application of geographical knowledge and understanding
 - demonstration of geographical skills
 - description and application of key geographical concepts
 - interpretation and analysis of data and other geographical information
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Geography

Data Book

VCE Examination – Thursday 14 November 2024

Contents	pages
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Figure 2. Human population	4–5
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Refer to the data in this book for each question, as indicated in the Question and Answer Book.
The data contained in this book is drawn from real-world case studies.

You may keep this Data Book.

Figure 1. Land use change

Background information

Increasing local and regional road traffic has meant many narrow roads in India's towns and cities are being widened. A geographer is investigating the associated land use change in an outer urban area of Varanasi, a city in northern central India. Buildings used for small businesses including retailing of food, together with residences, have been demolished or partly demolished along several kilometres. Often the rear sections of buildings are left standing. In the meantime, the local population is making the best of these changes.



Figure 1a.

Figure 1b. Location map

Source: Adapted from Google Maps



Figure 1c. Roadside land use change

Figure 1. Land use change



Figure 1d. The impact of land use change



Figure 1e. Adjusting to land use change

Figure 2. Human population

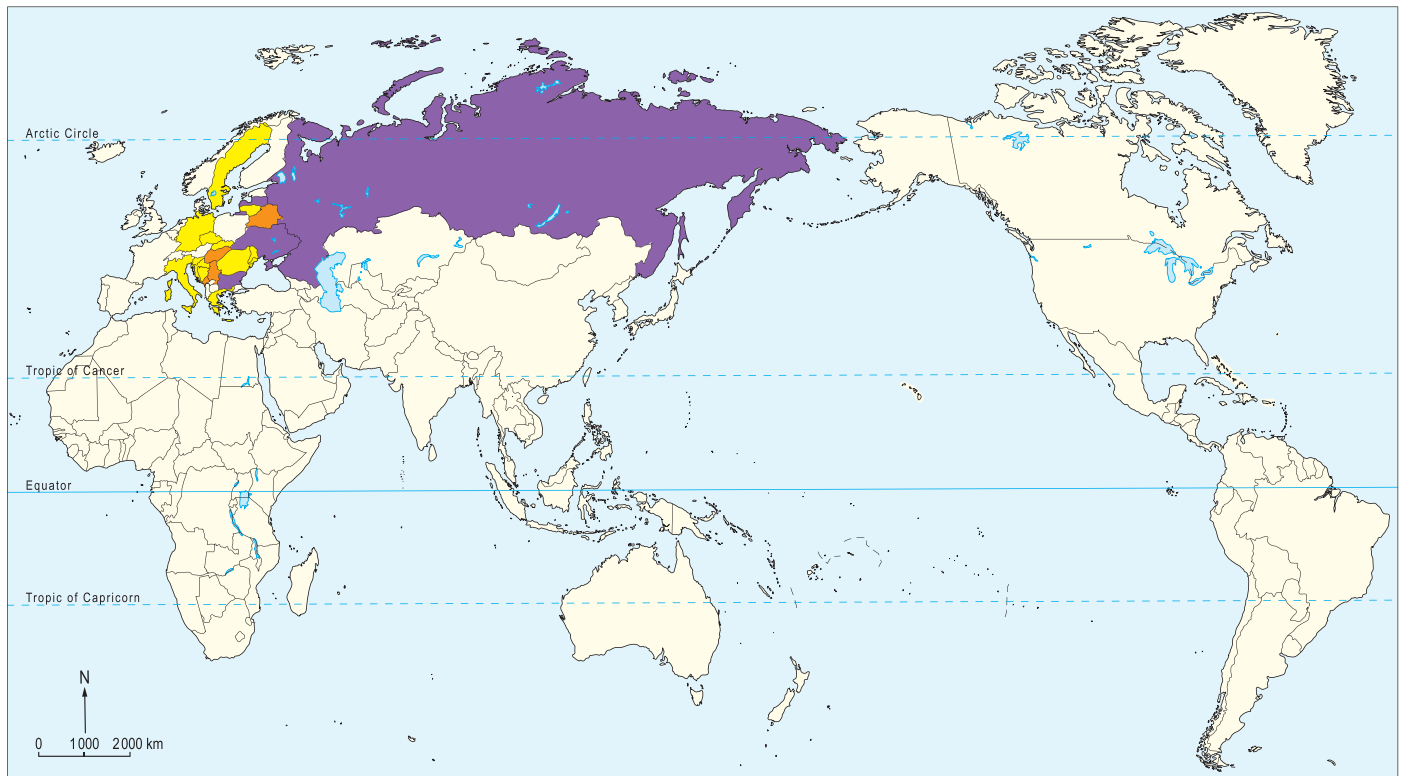


Figure 2a. Countries experiencing natural population decrease, 2000

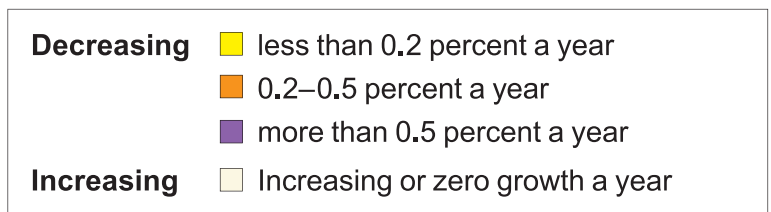


Figure 2. Human population

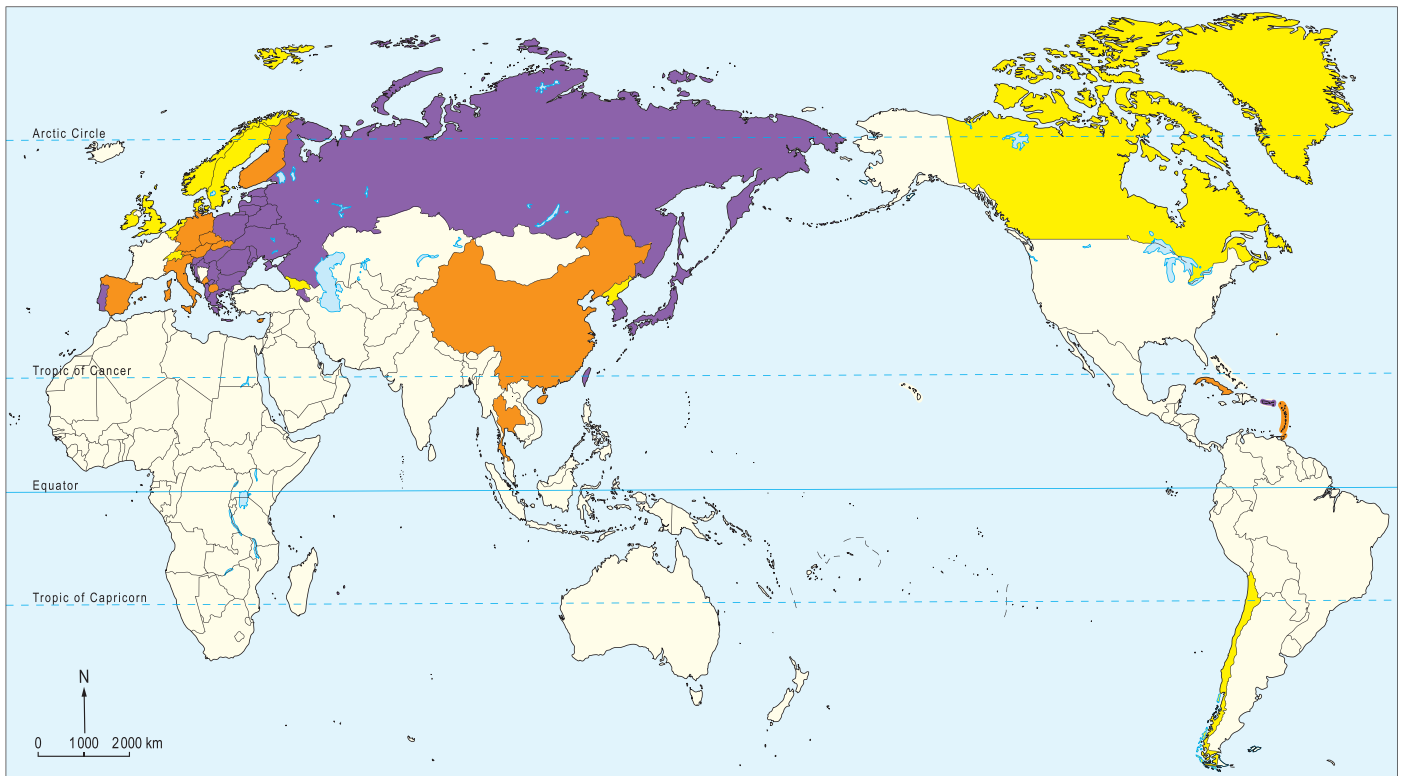


Figure 2b. Countries predicted to experience natural population decrease, 2050

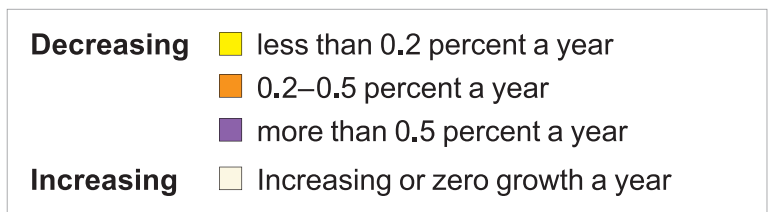


Figure 3. Human population

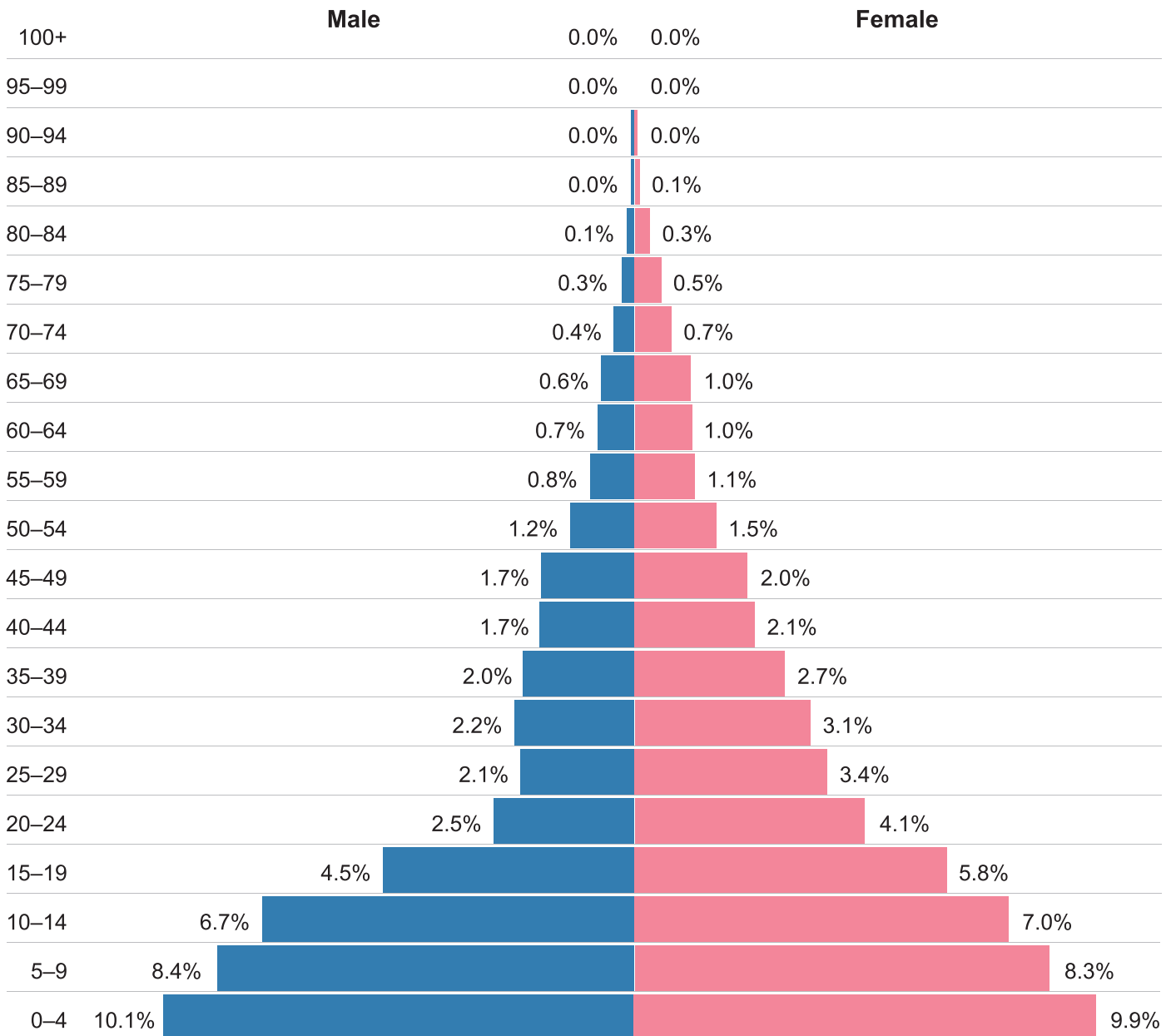


Figure 3. Population structure of Country A, 1970

Figure 4. Human population

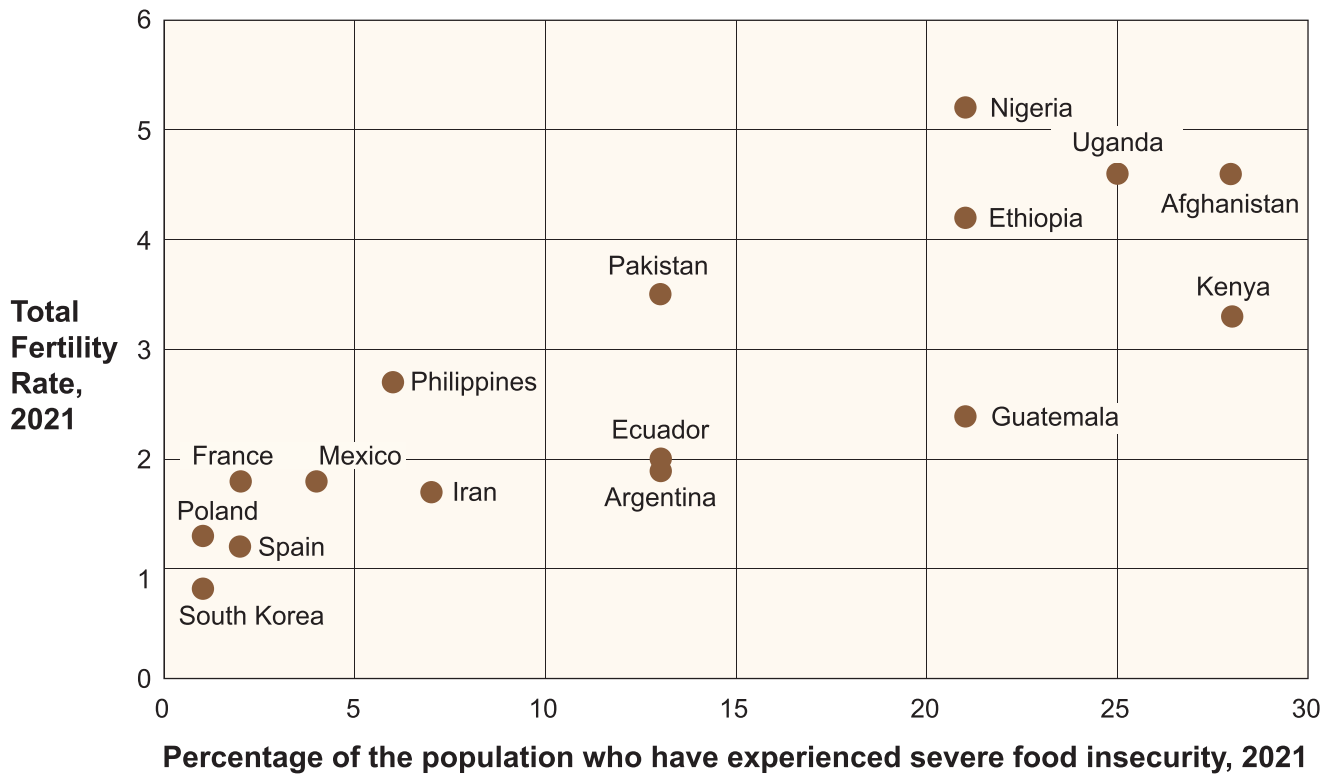


Figure 4. Total fertility rate and severe food insecurity for selected countries, 2021

Note: Food insecurity occurs when a person lacks regular access to enough safe and nutritious food for normal growth and development. Food insecurity is considered to be severe when, at times during a year, a person has had to reduce the quantity of their food and go without food for parts of a day or a whole day.

Source: <<https://data.worldbank.org>>

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