



Catholic Junior College
JC2 Preliminary Examinations
Higher 2

GEOGRAPHY

9173/01
23 August 2024
3 hours

READ THESE INSTRUCTIONS FIRST

If you have been given an Answer Booklet, follow the instructions on the front cover of the Booklet.

Write your Centre number, index number and name on the work you hand in.

Write in dark blue or black pen on both sides of the paper.
You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO NOT WRITE ON ANY BARCODES.

Answer Question 1 in **Section A**.
Answer both questions in **Section B**.
Answer **two** questions in **Section C**.

At the end of the examination, fasten all your work securely together.
The number of marks is given in brackets [] at the end of each question or part question.

Section A

Answer **both** questions

Cluster 1 Development, Economy and Environment

- 1** Resource 1 is a map of copper reserves worldwide, in millions of metric tonnes, in 2022 and shows the copper exports of Peru and Chile in that same year. Resource 2 is a map of global consumption of copper in 2021. Resource 3 is a graph of the price of copper between 2013 and 2017, showing the impact of a labour strike in February 2017 on the price of copper. Resource 4 is a photo of Escondida mine, the world's largest producer of copper, located in Chile.
- (a)** Cite data from Resource 1 to describe the flow of copper from Chile and Peru. [5]
 - (b)** Describe the consumption of copper shown in Resource 2. [5]
 - (c)** With reference to Resources 1 and 2, suggest reasons for copper exports from Chile and Peru in 2022. [5]
 - (d)** Referring to Resource 3, explain how labour can impact extractive industries. [5]
 - (e)** Explain how extractive industries may impact ecosystem services of their immediate environment. [4]
 - (f)** Explain population-resource relationships according to Malthus and Boserup. [6]

Cluster 2 Tropical Environments

- 2** Resource 5 is a climograph of a region in North-West Botswana. Resource 6 is a map of Botswana. Resource 7 shows the elevation of the Mekong River delta above sea level.
- (a)** Citing data from Resource 5, describe the characteristics of Botswana's climate. [4]
 - (b)** Referring to Resources 5 and 6, explain the climate characteristics of Botswana. [6]
 - (c)** With reference to Resource 5, explain how climate can influence weathering processes in Botswana. [5]
 - (d)** Explain the factors influencing the formation of meanders. [4]
 - (e)** Describe the features of the Mekong River delta as shown in Resource 7. [5]
 - (f)** Explain how a delta forms over time. [6]

Section B

Answer **either** question 3 **or** question 4 and answer **either** question 5 **or** question 6.

Cluster 1 Development, Economy and Environment

- 3** 'The use of renewable energy sources will always lead to trade-offs in sustainable development.'
- Evaluate this statement. [20]
- 4** Evaluate the influence of multilateral institutions on economic activities. [20]

Cluster 2 Tropical Environments

- 5** Evaluate the influence of synoptic scale circulation on fluvial processes in the tropics. [20]
- 6** 'Human-induced changes to geomorphic processes greatly impact ecosystem services provided by deltas.'
- Evaluate this statement. [20]