



MINISTRY OF EDUCATION, SINGAPORE  
in collaboration with  
CAMBRIDGE ASSESSMENT INTERNATIONAL EDUCATION  
General Certificate of Education Advanced Level  
Higher 2

# GEOGRAPHY

**9173/01**

Paper 1

**For examination from 2024**

SPECIMEN PAPER

**3 hours**

Additional Materials:      Insert

## 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 both questions in **Section A**.  
Answer two questions in **Section B**, one from each cluster.

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.

This document consists of **4** printed pages.



Singapore Examinations and Assessment Board



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**Section A**

Answer **both** questions.

**Cluster 1: Development, Economy and Environment**

- 1** Resource 1 shows areas of estimated iron ore reserves. Resource 2 shows the landscape of an area before and after mining took place in Roşia Montană, Romania. Resource 3 shows the spatial structure of vehicle production, exports and sales by Toyota, a transnational company (TNC). Resource 4 is a fact file on Brazil.
- (a) Using an example for each, explain what is meant by renewable and non-renewable resources. [4]
  - (b) Describe the global distribution of estimated iron ore reserves shown in Resource 1. [5]
  - (c) With reference to Resource 2, suggest how mining may affect the environment. [4]
  - (d) Explain why mineral extraction, such as iron ore mining, is dominated by large Transnational Companies (TNCs). [6]
  - (e) With reference to Resource 3, explain how Toyota's spatial structure shows the interconnectedness of the world. [6]
  - (f) Cite data from Resources 1 and 4 to explain why Toyota vehicle production in Brazil continued in 2014. [5]

**Cluster 2: Tropical Environments**

- 2 Resource 5 shows the climate graph of Ho Chi Minh, Vietnam. Resource 6A is a schematic diagram of drainage basin systems in Tropical Savannah climate zone during the wet season. Resource 6B is a schematic diagram of drainage basin systems in Tropical Savannah climate zone during the dry season. Resource 7 shows the land cover of upstream Dong Nai River Basin, Vietnam in 1973 and 2014. Resource 8 is a map of Pacific Ocean showing the location of Vietnam within the tropical Pacific.
- (a) Cite data from Resource 5 to describe the temperature and rainfall characteristics of Ho Chi Minh, Vietnam. [4]
- (b) Describe components X and Y shown in Resource 6A. [4]
- (c) Describe the differences between the drainage basin systems during dry and wet seasons shown in Resources 6A and 6B respectively. [5]
- (d) Describe the changes in the land cover of upstream Dong Nai River Basin shown in Resource 7. [5]
- (e) With reference to Resource 7, explain how land cover changes may affect flows and stores in the Dong Nai River Basin. [6]
- (f) With reference to Resource 8, explain the rainfall patterns during the El Nino and La Nina phases in western Pacific countries such as Vietnam. [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 Evaluate the success of the strategies used to manage conflicts over transboundary rivers. [20]
- 4 Evaluate the influence of states on economic activities. [20]

**Cluster 2 Tropical Environments**

- 5 'Fluvial floods can be controlled by humans.'  
Evaluate this statement. [20]
- 6 'The movement of materials on slopes is influenced by different factors.'  
Evaluate this statement. [20]

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