

ANDERSON SERANGOON JUNIOR COLLEGE

JC2 H2 Geography Preliminary Exam (2024)

H2 GEOGRAPHY

9173/01

26 August 2024

3 hours

Additional Materials:

Answer Booklet 1 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 name and class 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.

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.

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Section A

Answer **both** questions.

Cluster 1: Development, Economy and Environment

1 Resource 1 depicts world electricity generation from 2000 to 2020. Resource 2 shows the distribution of water from the Nile River Basin and rate of dependence on the water flow of the Nile River Basin by country. Resource 3 is a map of the Nile River Basin and its riparian states. Of the 11 riparian states of the Nile River Basin, Egypt and Sudan are considered as downstream riparian states. Resource 4 shows the climate classification of countries in the Nile River Basin. Resource 5 is an article about the usage of the Nile River water by Ethiopia and Egypt.

(a)	With reference to Resource 1, describe the trends in world electricity generation from 2000 to 2020.	[5]
(b)	Explain the trade-offs associated with the use of hydropower.	[6]
(c)	With reference to Resource 2, compare the distribution of water from the Nile River Basin and the rate of dependence on the water flow for the Nile Basin for Egypt and Ethiopia.	[4]
(d)	With reference to Resource 3, describe the distribution of dams on the Nile River Basin.	[4]
(e)	Using information from Resources 3, 4, and 5, explain why the construction of the Grand Ethiopian Renaissance Dam might result in conflict between Egypt and Ethiopia.	[7]
(f)	Suggest two ways in which countries like Egypt and Ethiopia could manage conflicts due to transboundary water resources.	[4]

Cluster 2: Tropical Environments

2 Resource 6 shows a weathered rock which contains iron. Resource 7 shows a limestone region in Jamaica.

Resource 8 shows the relationship between rainfall characteristics and the occurrence of debris flows. Resource 9 shows a schematic diagram of factors leading to the development of a mass movement.

(a)	With reference to Resource 6, account for the likely weathering process that the rock has undergone.	[4]
(b)	Within reference to Resource 7, explain how the features of the limestone region shown may have developed.	[6]
(c)	Explain how climatic factors may influence weathering of rocks.	[6]
(d)	With reference to Resource 8, explain how rainfall characteristics could influence the occurrence of debris flows.	[6]
(e)	With reference to Resource 9, account for the likely mass movement that might develop.	[4]
(f)	Explain how human factors may influence mass movements on slopes.	[4]

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 effectiveness of strategies to manage the effects of extractive industries.	[20]
4	Evaluate the view that labour has little influence over economic activities.	[20]

Cluster 2 Tropical Environments

- **5** Evaluate the influence of monsoon circulation on rainfall in the tropics. [20]
- **6** "The formation of fluvial landforms in the humid tropics are solely determined by fluvial processes."

Evaluate this statement.

[20]