



ANDERSON SERANGOON JUNIOR COLLEGE

JC1 H2 Geography Mid-Year Common Test (2023)

H2 GEOGRAPHY

9173/ 01

5 July 2023

2 hrs

Additional Materials:

Writing Paper
1 Insert

READ THESE INSTRUCTIONS FIRST

Write your name and class in the spaces provided below, and on all 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 **all** questions.

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.

Name: _____

Class: _____

Section A (Structured Questions)		Total Marks
1	2	
<div></div>	<div></div>	<div></div>
30	30	60
Percentage		100

This question paper consists of 3 printed pages and 1 blank page.

[Turn Over]

Section A

Answer **both** questions.

Cluster 1: Development, Economy and Environment

- 1** Mangroves are a group of trees and shrubs that live in the coastal intertidal zone. Mangroves have been acknowledged to help countries progress towards sustainable development.

Resource 1 depicts the 17 Sustainable Development Goals (SDGs). Resource 2 shows the global distribution of mangroves in 2000. Resource 3 shows tree cover loss in mangroves from 2000 – 2012 across various regions. Resource 4 is an article explaining the benefits of mangroves and the challenges of mangrove restoration in Indonesia.

- (a)** Using Resource 1, explain how the Sustainable Development Goals (SDGs) help countries to progress towards sustainable development. [5]
- (b)** With reference to Resource 2, describe the global distribution of mangroves in 2000. [4]
- (c)** Using Resource 3, compare the change in tree cover loss in mangroves in Asia and Africa from 2000 to 2012. [4]
- (d)** With reference to Resource 4, identify the ecosystem services that mangroves provide. [5]
- (e)** Explain how human activities might reduce the ability of the environment to provide ecosystem services. [6]
- (f)** With reference to Resource 4, explain the challenges of relying on mangrove restoration to achieve sustainable development in Indonesia. [6]

Cluster 1: Development, Economy and Environment

- 2** Resource 5 is a comparison of materials in a typical solar photovoltaic (PV) cell by mass and by value. Resource 6 shows drought forecast maps of the Lower Mekong Basin (LMB) for November and December 2019. Resource 7 is a map of the mainstream dams on the Mekong River. Resource 8 is a photograph of a dam construction site along the Mekong River in China.
- (a)** Using an example for each, explain what is meant by renewable and non-renewable resources. [4]
- (b)** With reference to Resource 5, compare the distribution of silver, aluminium and glass in a typical solar photovoltaic (PV) cell by mass and by value. [6]
- (c)** Explain why there may be environmental trade-offs in the usage of solar panels. [6]
- (d)** With reference to Resource 6, identify the changes in drought forecast in the Lower Mekong Basin (LMB) between November and December 2019. [3]
- (e)** Describe the distribution of dams along the Mekong River as shown in Resource 7. [5]
- (f)** With reference to Resources 6, 7 and 8, explain why there may be conflict over water supply in the Mekong River. [6]