

Name: \_\_\_\_\_

Class: \_\_\_\_\_



**JURONG PIONEER JUNIOR COLLEGE**

**JC2 Preliminary Examination 2024**

**GEOGRAPHY**  
**Higher 2**

**9173/01**

**10 September 2024**

Paper 1

**3 hours**

Additional materials:

Writing Paper  
Insert

**READ THESE INSTRUCTIONS FIRST**

Write your name and civics class 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 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 **3** printed pages.

## Section A

Answer both questions.

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

- 1 Resource 1 shows the distribution of global proven oil reserves globally. Resources 2A and 2B show the Sustainable Development Goals performance of two top oil exporting countries, Saudi Arabia and Canada in 2021. Resource 3 shows Saudi Arabia's share of GDP by economic activity in 2021.
- (a) Using an example for each, explain what is meant by proven and hypothetical reserves. [4]
  - (b) Describe the distribution of global proven oil reserves shown in Resource 1. [4]
  - (c) Compare the performance of Saudi Arabia and Canada in the Sustainable Development Goals as shown in Resources 2A and 2B. [5]
  - (d) Suggest why the performance of both countries as shown in Resources 2A and 2B may vary. [5]
  - (e) Describe the difficulties of measuring progress towards sustainable development. [6]
  - (f) With the aid of Resource 3, explain the possible trade-offs that Saudi Arabia may face in achieving sustainable development. [6]

**Cluster 2: Tropical Environments**

- 2 Resource 4 shows a flood risk map of the Niger River in Nigeria, West Africa. Resource 5 shows flood risk at Talle on the Sirba River, a tributary of the Niger River. Resource 6 shows the location of Niger Delta along the Niger River. Resource 7 shows an oil spill in the Niger Delta.
- (a) Compare the location and extent of low flood risk and high flood risk areas shown in Resource 4. [4]
  - (b) Suggest why there could be variations in flood risk across places as shown in Resource 4. [5]
  - (c) Describe how flooding would impact Talle as shown in Resource 5. [5]
  - (d) With reference to Resource 5, suggest two possible strategies to mitigate flooding in Talle. [4]
  - (e) Explain the role of geomorphic processes which has led to the formation of the Niger delta as shown in Resource 6. [6]
  - (f) With the aid of Resource 7, describe how human activities can negatively impact ecosystem services provided by deltas. [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** 'Solar power has greater potential than hydropower in providing energy security.'  
Evaluate this statement. [20]
- 4** Evaluate the influence of multilateral institutions on global economic activities. [20]

**Cluster 2 Tropical Environments**

- 5** Evaluate the influence of synoptic scale circulation in affecting rainfall in the tropics. [20]
- 6** 'Geomorphic processes in the humid tropics are mainly influenced by climate.'  
Evaluate this statement. [20]

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**End**

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