



**JURONG JUNIOR COLLEGE  
JC2 GEOGRAPHY  
PRELIMINARY EXAMINATIONS 2015**

**GEOGRAPHY**

**8812/01**

**Higher 1**

Paper 1

Thursday 27 August 2015

3 hours

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

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

**INSTRUCTIONS TO CANDIDATES**

Write in dark blue or black pen.

You may use a soft pencil for any diagrams, graphs or rough working.

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

**Section A**

Answer **all** questions.

**Section B**

Answer **one** question.

**Section C**

Answer **one** question.

Diagrams and sketch maps should be drawn whenever they serve to illustrate an answer.

You are reminded of the need for good English and clear presentation in your answers.

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.

Please attach your answers to the cover page provided.

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This document consists of **5** printed pages.

## Section A

Answer **all** the questions in this section.  
Questions 1, 2, 3 each carries 12m, and Question 4 carries 14m.  
You should allocate your time accordingly.

### Lithospheric Processes, Hazards and Management

1. Photo A shows a rock located along a coastline.

- (a) Identify the weathering process that has occurred on the rock. [1]
- (b) With reference to Photo A, describe the weathering process occurring on the rock. [5]
- (c) Explain why chemical weathering is predominant in the humid tropics. [6]

### The Globalisation of Economic Activity

2. Figure 1A shows the network of global financial centres.

Figure 1B shows the number of trading hours of the world's major financial centres that overlap. Time measured in each time zone as a certain number of hours ahead of or behind the time at the Greenwich Meridian (Greenwich Mean Time or GMT).

- (a) Using information in Figure 1A, state the number of financial centres found in North America. [1]
- (b) Describe the pattern of global financial centres as seen in Figure 1A. [4]
- (c) Suggest reasons for the location(s) of financial centres, supporting your response with information from Figure 1A. [5]
- (d) Briefly explain how a financial centre would find the information in Figure 1B useful. [2]

### **Hydrologic Processes, Hazards and Management**

3. Figure 2 shows three hydrographs for a stream assuming different land uses.

- (a) Suggest suitable land use labels to describe hydrographs A and B. [2]
- (b) Describe and account for differences between the three hydrographs shown in Figure 2. [6]
- (c) Discuss how you would conduct a fieldwork study to measure the different infiltration rates of two different areas as shown in Figure 2. [4]

### **Lithospheric Processes, Hazards and Management and Hydrologic Processes, Hazards and Management**

4. Figures 3A and 3B show two types of mass movements.

- (a) Identify the mass movements shown in Figure 3A and Figure 3B. [2]
- (b) With reference to Figures 3A and 3B and otherwise, describe the differences between the two types of mass movements. [6]
- (c) Explain how fluvial processes will be affected should the slope materials from Figure 3B enter a river channel. [6]

## **Section B Physical Geography**

Answer **one** question from this section. Each question carries 25m.

### **Lithospheric Processes, Hazards and Management**

#### **5 EITHER**

(a) Using examples, show how the rock cycle can explain the characteristics of igneous, sedimentary and metamorphic rocks. [9]

(b) "Rock structure is more crucial than other factors in the development of granite landforms."

Discuss the validity of the statement above. [16]

#### **5 OR**

(a) Define island arcs. Using examples, explain how they are formed. [9]

(b) "It is easier to mitigate against the effects of volcanic eruptions than to predict them."

To what extent do you agree with the statement above? [16]

### **Hydrologic Processes, Hazards and Management**

#### **6 EITHER**

(a) Compare the characteristics of meanders and braided channels. [9]

(b) To what extent can conflicts of interest that arise from the management of drainage basins be mainly economic in nature? [16]

#### **6 OR**

(a) With the use of examples, describe how human activities can create management issues for rivers that cross national boundaries. [9]

(b) With reference to examples, assess the effectiveness of flood management measures in reducing the occurrence of river floods. [16]

### **Section C Human Geography**

Answer **one** question from this section. Each question carries 25m.

#### **The Globalisation of Economic Activity**

##### **7 EITHER**

**(a)** With the help of examples, explain the term “global shift”. [9]

**(b)** To what extent do you agree that globalisation has only served to widen economic disparities between Less Developed Countries (LDCs) and Developed Countries (DCs)? [16]

##### **7 OR**

**(a)** Define the terms “reskilling” and “deskilling” and explain their impacts to the global economy. [9]

**(b)** With reference to examples, to what extent do you agree that governments play the most important role in determining a country’s level of economic development? [16]

\*\*\*\* END OF PAPER \*\*\*\*