



**JURONG JUNIOR COLLEGE  
JC2 GEOGRAPHY  
PRELIMINARY EXAMINATIONS 2014**

**GEOGRAPHY**

**8812/01**

**Higher 1**

Paper 1

Friday 29 August 2014

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.

## 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 Photograph A and B shows two different mass movements.
- (a) Identify the type of mass movement that has occurred in Photograph A and B respectively. [2]
- (b) Compare and contrast the characteristics of mass movements in Photograph A and B. [4]
- (c) Outline how you would conduct and present the findings of the investigation meant to study the causes of the mass movement that occurred in Photograph A. [6]

### Globalisation Issues and Challenges

- 2 Figure 1A shows Gini co-efficient values for selected countries from 1980 to 2010.

Figure 1B shows the numbers of the ultra-wealthy and their collective net worth as a percentage of the national economy respectively for several countries.

The Gini index is a measure of income inequality.

- (a) Using Figure 1A, which country has shown the greatest improvement in income equality from 1980 to 2010 [1]
- (b) Describe the trend of income equality from 1980 to 2010 as shown in Figure 1A. [2]
- (c) How useful is the Gini co-efficient in portraying an accurate picture of economic development? [4]
- (d) With the help of Figure 1B, suggest possible reasons why the number of billionaires in Russia and China are almost similar but have differing networth values. [5]

**Hydrological Processes, Hazards and Management**

- 3 Figure 3 shows a flood protection map of Boscastle in England.
- (a) Describe ONE natural cause of floods. [2]
- (b) With reference to Figure 3, select TWO measures and evaluate their effectiveness in reducing flood damage. [6]
- (c) Suggest reasons why flood predictions based on the recurrence interval cannot be fully accurate. [4]

**Hydrological Processes, Hazards and Management and Lithospheric Processes, Hazards and Management**

- 4 Photograph C shows a section of the Tasman river with the Tasman Glaciers in the background.
- (a) Identify the channel pattern shown in Photograph C. [1]
- (b) With reference to Photograph C, sketch and label the principle features of the river channel. [4]
- (c) Describe the changes in the flows and stores due to seasonal changes. [4]
- (d) Explain how important the glaciers play a role in the development of the river channel. [5]

### Section B Physical Geography

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

#### Lithospheric Processes, Hazards and Management

- 5 EITHER**
- (a)** Contrast and explain the different characteristics of tropical and temperate karst features. [9]
- (b)** Discuss the varying importance of the factors which influence the weathering process and resultant karst landforms in the tropical and temperate region. [16]
- 5 OR**
- (a)** Describe the characteristics of earthquakes at divergent, convergent and transform plate boundaries. [9]
- (b)** To what extent do you agree that the effects of earthquakes are more hazardous than volcanic eruptions? [16]

#### Hydrologic Processes, Hazards and Management

- 6 EITHER**
- (a)** Describe and explain the differences between Infiltration Excess Flow and Saturation Overland Flow. [9]
- (b)** How far would you agree that the key to understanding the form and development of meandering and braided channels lies in understanding the nature of water flow within these channels? [16]
- 6 OR**
- (a)** With the aid of diagrams, explain how and why the form of two storm hydrographs within the same drainage basin may differ. [9]
- (b)** "Geographical location determines the party which holds the upper hand in conflicts arising from the management of river basins."
- Discuss the validity of the statement above with reference to examples. [16]

### **Section C Human Geography**

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

#### **Globalisation Issues and Challenges**

- 7 EITHER**    **(a)**    With the help of examples you have studied, explain the concept of 'global shift'. [9]
- (b)**    'Supranational bodies (trading blocs and international institutions) constrain development opportunities and present barriers for particular groups.'
- Assess the validity of the statement above. [16]
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- 7 OR**        **(a)**    Explain how technological change has affected global production and work practices. [9]
- (b)**    Discuss the extent to which Transnational Corporations (TNCs) have contributed to the worsening of economic disparities. [16]

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