



**JURONG JUNIOR COLLEGE  
JC2 GEOGRAPHY  
PRELIMINARY EXAMINATIONS 2016**

**GEOGRAPHY**

**8812/01**

**Higher 1**

Paper 1

Monday 29 August 2016

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.

You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically requested by the 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 carry 12m, and Question 4 carries 14m.  
You should allocate your time accordingly.

### Lithospheric Processes, Hazards and Management

1. Photograph A shows a limestone cave in Hungary.
  - (a) With reference to Photograph A, identify the feature marked 'A'. [1]
  - (b) Explain how Feature 'A' is formed. [4]
  - (c) Explain why caves such as this appears to be more prominent in Temperate areas compared to Tropical areas. [4]
  - (d) Explain the characteristics of limestone that makes it susceptible to weathering. [3]

### The Globalisation of Economic Activity

2. Figure 1A shows the contributions to GDP by sector in the Indian economy from 1950 to 2012. Figure 1B shows the quality of infrastructure in India and in peer countries from 2007-2008 to 2015-2016. Figure 1C shows the gross enrolment ratio in universities in percentage of the population for selected countries.
  - (a) Using Figure 1A, describe the change in sector contribution to GDP from 1950 to 2012. [3]
  - (b) Suggest TWO reasons for the change in the services sector contribution to GDP as seen in Figure 1A. [4]
  - (c) With the aid of Figures 1B and 1C, explain why India may have difficulties in raising the growth of the service sector. [5]

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

3. Figure 2 shows the storm hydrograph for a drainage basin under agricultural land use and the storm hydrograph for an urbanised drainage basin experiencing an identical rainfall event.

(a) With reference to Figure 2, describe the differences between the two hydrographs. [4]

(b) Explain any ONE of the differences described in (a). [2]

(c) Clearly describe a fieldwork technique that you would use to calculate the discharge of a small river. [6]

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

4. Photograph B shows a granite landform. Photograph C shows a river channel.

(a) Draw a labelled sketch diagram of the granite landform in Photograph B, highlighting relevant features. [4]

(b) Suggest TWO factors observable from Photograph B that could have contributed to its development. [4]

(c) Describe and explain the changes in morphology to the river channel in Photograph C should coarse material enter the channel during times of high discharge and during times of low discharge. [6]

## **Section B Physical Geography**

Answer **one** question from this section.

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

#### **5 EITHER**

- (a) Describe and explain the nature of the tectonic activity and the resultant landforms associated with a convergent plate margin. [9]

- (b) 'The role that water plays has been by far the most important in affecting weathering processes.'

Discuss the validity of this statement. [16]

#### **5 OR**

- (a) Describe the characteristics of granite and limestone. [9]

- (b) 'Human beings have themselves to blame for the effects arising from mass movement hazards.'

Discuss the validity of this statement. [16]

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

#### **6 EITHER**

- (a) Contrast between Hortonian Overland Flow (HOF) and Saturation Overland Flow (SOF), [9]

- (b) 'Conflicts arising from transborder river conflicts tend to be more political rather than environmental.'

Evaluate the validity of this statement with reference to case studies. [16]

#### **6 OR**

- (a) Explain the causes of river floods. [9]

- (b) 'Flood mitigation is more useful than flood prediction.'

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

### Section C Human Geography

Answer **one** question from this section.

#### The Globalisation of Economic Activity

##### 7 EITHER

(a) Explain the emergence of the New International Division of Labour (NIDL).  
[9]

(b) “Globalisation has led to winners rather than losers.”

Discuss the validity of the statement above in relation to economic development.  
[16]

##### 7 OR

(a) With reference to examples, describe the characteristics of *Export Processing Zones (EPZs)* and *Industrial Clusters*.  
[9]

(b) To what extent do you agree that the involvement of the state in economic development does more good than harm?  
[16]

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

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