

**TEMASEK JUNIOR COLLEGE  
PRELIMINARY EXAMINATION 2017**

**GEOGRAPHY  
Higher 2**

**9751/01**

**Paper 1**

**3 HOURS**

**Additional Materials:      World Outline Map**

**READ THESE INSTRUCTIONS FIRST**

Write your name and CG on all the work you hand in.

**Begin the answer to each question on a fresh sheet of paper.**

Write in dark blue or black pen.

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

Do not use highlighters, glue or correction fluid.

Answer **three** questions, **one** from each section.

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.

The world outline map may be annotated and handed in with relevant answers.

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.

You should spend time according to marks allocated to questions.

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## SECTION A – Tropical Environments

Answer **one** question from this section.

All questions carry 32 marks.

- 1 (a)** Explain the ways in which rainfall can be generated in tropical areas. [12]
- 1 (b)** To what extent are tropical climates distinctive? [20]
- 2 (a)** Explain how wind and water operate to remove weathered material in tropical environments. [12]
- 2 (b)** ‘Landforms in the humid tropics are primarily the result of weathering and erosion whereas those in the arid tropics are usually the outcome of deposition.’
- Assess the validity of this claim based on the landforms that you have studied. [20]

## SECTION B – Development, Economy and Environment

Answer **one** question from this section.

All questions carry 32 marks.

- 3 (a)** With reference to transnational corporations that you have studied, explain how intra-firm and inter-firm networks influence production circuits. [12]
- 3 (b)** ‘The rise of global production networks has created more winners than losers.’
- How far do you agree with this claim? [20]
- 4 (a)** Explain the main causes of water scarcity in countries with low levels of development. [12]
- 4 (b)** A World Bank spokesperson predicted in 1999 that:
- ‘While many of the wars of the 20th century were about oil, wars of the 21st century will be over water...’*
- With reference to examples, discuss the extent to which conflicts over transboundary water supplies inevitably lead to wars. [20]

### SECTION C – Sustainable Development

Answer **one** question from this section.

All questions carry 32 marks.

- 5 (a)** Explain the variations in energy mix and energy consumption patterns across countries at different levels of economic development. [12]
- 5 (b)** To what extent is hydropower a more sustainable form of alternative energy source compared to **either** nuclear energy **or** biofuels? [20]
- 6 (a)** Explain the concept of 'sustainable development' and its relevance to developing countries. Support your answer with examples. [12]
- 6 (b)** 'The issues surrounding sustainable urban development can never be resolved.'
- Discuss. [20]

**END OF PAPER**

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