



HWA CHONG INSTITUTION
JC2 Preliminary Examinations
Higher 1

**CANDIDATE
NAME**

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CT GROUP

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**CENTRE
NUMBER**

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**INDEX
NUMBER**

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GEOGRAPHY

8812/01

Paper 1

17 September 2014

Additional Materials: Answer Paper

3 hours

1 Insert

World outline map

READ THESE INSTRUCTIONS FIRST

Write your name and CT class clearly on all the work you hand in.

Write in dark blue or black pen on both sides of the paper.

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

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

Section A

Answer **four** questions.

Section B

Answer **one** question.

Section C

Answer **one** question.

You are advised not to spend more than one hour 30 minutes on Section A.

The insert contains all the Figures referred to in the question paper.

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.

Sketch maps should be drawn whenever they serve to illustrate an answer.

At the end of the test, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

Section A

Answer **all** the questions in this section.

Questions 1, 2 and 3 carry 12 marks and Question 4 carries 14 marks.

You should allocate your time accordingly.

Lithospheric Processes, Hazards and Management

- 1 Photographs A and B show the occurrence of the same mass movement event in Pingtung County, Taiwan in 2011.
- (a) With reference to Photographs A and B, identify the type of mass movement and describe the nature of it. [3]
 - (b) Suggest reasons for the occurrence of the mass movement identified in (a). [4]
 - (c) Briefly describe the effects of the mass movement identified in (a) on the physical and human environment. [5]

The Globalisation of Economic Activity

- 2 Fig. 1 shows the annual % change in real GDP for the world and real GDP for developing countries between 1990 and 2010.
- (a) Compare the trends of annual % change in real GDP for the world and developing countries. [2]
 - (b) Explain 'the new international division of labour' and its role in affecting the trends described in (a). [6]
 - (c) What are some of the responses of the developed countries (DCs) to such trends? [4]

Hydrologic Processes, Hazards and Management

- 3 EITHER Fig 2A shows the river regimes of Rio Uruguay (South America) and Mekong (Southeast Asia) river systems. Fig. 2B shows the location of the two rivers.
- (a) Compare the river regimes of the two rivers. [2]
 - (b) Explain the differences in the river regimes. [4]
 - (c) With reference to Fig. 2A, identify and explain the **main** issue faced by communities along the **Mekong River** and suggest strategies to address the issue. [6]

Urban Issues and Challenges

3 OR Fig. 3 shows the world's largest cities in 2000 and their predicted growth by 2015.

- (a) Distinguish between *urbanization* and *urban growth*. [2]
- (b) Identify the city where the increase in population is expected to be the greatest between 2000 and 2015, supporting your answer with data from Fig. 3. [2]
- (c) Compare the growth of Bombay (Mumbai) with the growth of Tokyo/ Yokohama, according to this prediction. [2]
- (d) How may the varied growth expected in cities within Asia be explained? [6]

Lithospheric Processes, Hazards and Management and Hydrologic Processes, Hazards and Management

4 EITHER Photograph C shows a river flowing over granite in Zimbabwe. Photograph D shows a granite landform in Zimbabwe. Zimbabwe is a landlocked country located in Southern Africa 17°S latitude.

- (a) Describe the nature of the load and discharge of the river shown in Photograph C. [2]
- (b) Explain how the discharge of the river shown in Photograph C may be measured. [4]
- (c) Describe the landform shown in Photograph D. [2]
- (d) Discuss the extent to which rock type and fluvial activity influence the development of the landform shown in Photograph D. [6]

The Globalisation of Economic Activity and Urban Issues and Challenges

4 OR Fig. 4A shows an extract about Hong Kong public housing policy. Fig. 4B shows an extract about the three global cities of New York, London and Hong Kong.

- (a) State the housing strategy used by the Hong Kong government. Support your answer with evidence from Fig. 4A. [2]
- (b) Suggest **two** reasons for the formation of squatter settlements. [2]
- (c) With the help of Fig. 4B, describe and explain the rise of Hong Kong as a global city. [6]
- (d) Explain how you might undertake **primary** fieldwork to investigate the character of Hong Kong as a global city. [6]

Section B Physical Geography

Answer **one** question from this section.

Lithospheric Processes, Hazards and Management

- 5 EITHER** (a) Define the terms 'block disintegration' and 'granular disintegration' and their effects. [9]
- (b) Discuss the factors which lead to the formation and resultant characteristics of
- (i) cockpit and tower karst
- (ii) temperate tors [16]
- 5 OR** (a) Describe and explain the main characteristics of earthquakes. [9]
- (b) "Earthquakes are easier to mitigate than to predict". Evaluate this statement with reference to examples. [16]

Hydrologic Processes, Hazards and Management

- 6 EITHER** (a) Explain the conditions under which fluvial deposition occurs. [9]
- (b) To what extent is deposition the most important process in determining channel pattern? [16]
- 6 OR** (a) Explain how water resources in a river catchment may be managed. [9]
- (b) Discuss why the management of river catchments has met with little success. [16]

Section C Human Geography

Answer **one** question from this section.

The Globalisation of Economic Activity

- 7 EITHER**
- (a) Explain the terms 'tertiary', 'quaternary' and 'quinary' in relation to the service sectors. [9]
 - (b) Discuss the growth of Transnational Corporations and their impacts on the service sector. [16]
- 7 OR**
- (a) Explain the term 'Shrinking world'. [9]
 - (b) With reference to specific examples, assess the role of the state and supranational bodies in a country's economic development. [16]

Urban Issues and Challenges

- 8 EITHER**
- (a) Explain the rise of megacities. [9]
 - (b) Discuss the strategies undertaken in megacities to resolve urban problems. [16]
- 8 OR**
- (a) Explain the usefulness of Bid Rent Theory in explaining urban zoning of economic activity and residential development. [9]
 - (b) With reference to examples, discuss the dynamic nature of the central city. [16]