



ANGLO-CHINESE JUNIOR COLLEGE

JC 2 Preliminary Examinations 2015

GEOGRAPHY

Higher 1

8812/01

Time: 3 hours

21 August 2015

READ THESE INSTRUCTIONS FIRST

Write your Centre number, index number and name on all the work you hand in.

Write in dark blue or black pen.

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 in this section.

Section C

Answer **one** question in this section.

You are advised not to spend more than 1 hour 30 minutes on Section A.

The insert contains all the Figures, Tables, and Photographs referred to in the questions.

You should make reference to appropriate examples studied in the field or in 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.

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

On the **cover sheet** provided, include:

- Your name and index no.
- The question numbers of the question you have attempted in the boxes provided, and place the cover sheet as the top page over your answers.
- At the end of the examination, fasten all your work securely together as one bundle.

This document consists of 5 printed pages, including this cover page.

Insert 1 consists of 7 printed pages.



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[Turn Over]

Section A

Answer **four** 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 two types of limestone landforms. Photograph A shows a landform found in a temperate region while Photograph B shows a landform found in a tropical region.
- (a) Name the landforms found in Photographs A and B. [2]
 - (b) Compare the characteristics of the two landforms. [4]
 - (c) Explain how the role of weathering and climate have contributed to the formation of the landform you have named in Photograph B. [6]

The Globalisation of Economic Activity

- 2 Fig. 1A shows India's car production firms before 1990 and since 1990. Fig. 1B shows Foreign Direct Investment (FDI) into India from 2000 to 2011.
- (a) Name the location with the greatest number of car production firms since 1990. [1]
 - (b) Describe the distribution of car production firms as shown in Fig. 1A. [2]
 - (c) What evidence is there from Fig. 1A and Fig. 1B to show that India has become more competitive in the global economy? [2]
 - (d) Explain why Newly Industrialising Economies (NIEs) like India are favourable locations for car production. [7]

Hydrologic Processes, Hazards and Management

- 3 **EITHER**
Figs. 2A and 2B show two common management strategies in flood mitigation.
- (a) (i) Describe the limitations of using recurrence interval as a tool in the mitigation of floods. [2]
 - (ii) Explain how the strategy in Fig. 2B can help to mitigate flooding. [2]
 - (b) Give reasons for the occurrences of floods in the natural and human environment. [4]
 - (c) Explain the impact of flooding on river morphology and river processes. [4]

Urban Issues and Challenges

3 OR

Fig. 3 shows urban populations for regions in the years 1950, 2000 and 2030.

- (a) Compare the growth of urban population in the DCs and LDCs from 1950 to 2030. [2]
- (b) Give reasons for your observations in (a) above. [6]
- (c) How may the data shown in Fig. 3 explain the growth of primate cities? [4]

Lithospheric and Hydrologic Processes, Hazards and Management

4 EITHER

Photographs C and D show sections of a river.

- (a) With reference to Photograph C, draw an annotated diagram of the cross-section along XY, labelling the key features. [2]
- (b) Suggest reasons for the formation of such a channel pattern. [5]
- (c) To what extent can rock type and mass movements account for the formation of the channel pattern found in Photograph D? [7]

The Globalisation of Economic Activity and Urban Issues and Challenges

4 OR

Fig. 5 shows an artist's impression of globalisation.

- (a) Define the term '*globalisation*'. [2]
- (b) Using evidence from Fig. 5, suggest two impacts of globalisation and explain how globalisation may have led to these impacts. [6]
- (c) Assess the extent to which decisions by TNCs can lead to the emergence of global cities in LDCs such as Indonesia. [6]

Section B Physical Geography
Answer **one** question in this section.

Lithospheric Processes, Hazards and Management

- 5 Either**
- (a) Differentiate between the formation and the geological characteristics of igneous and sedimentary rocks. [9]
 - (b) To what extent can the role of climate and weathering account for features and formation of granite landforms found in the tropics? [16]
- 5 Or**
- (a) Define the terms *shear strength* and *shear stress*. Explain their roles in mass movement. [9]
 - (b) Discuss the view that climate is the most crucial factor influencing the *rate* and *type* of weathering. [16]

Hydrologic Processes, Hazards and Management

- 6 Either**
- (a) With the aid of a well-labelled diagram, describe the hydrological cycle in a drainage basin. [9]
 - (b) To what extent can it be said that conflict of interests in the management of water resources within and between countries are the result of human activities? [16]
- 6 Or**
- (a) Define the term '*drainage density*' and account for variations in the drainage density of drainage basins. [9]
 - (b) To what extent is climate the primary factor influencing the nature of the flood hydrograph? [16]

Section C Human Geography
Answer **one** question in this section.

The Globalisation of Economic Activity

- 7 Either**
- (a) Account for the rise of the service sector in DCs and LDCs. [9]
 - (b) 'Transnational Corporations (TNCs) are the key drivers of the process of globalisation'.

Discuss the validity of this statement. [16]
- 7 Or**
- (a) Discuss the usefulness of the Human Development Index (HDI) as a measure of the level of development in a country. [9]
 - (b) With reference to examples, assess the effectiveness of *Export Processing Zones* (EPZs) as a strategy for sustaining economic development. [16]

Urban Issues and Challenges

- 8 Either**
- (a) Outline the causes and consequences of traffic congestion in urban areas of both DCs and LDCs. [9]
 - (b) Assess the importance of state planning in influencing the urban structure of cities today. [16]
- 8 Or**
- (a) Compare the causes of *sub-urbanisation* and *counter-urbanisation*. [9]
 - (b) Assess the effectiveness of strategies used to manage housing problems of cities in LDCs. [16]

[End]