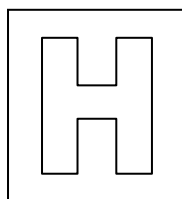


Candidate Name: _____

Class Adm No

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2014 Promotional Examination 2

Pre-university 2

GEOGRAPHY (HIGHER 1)

8812/01

15 September 2014

3 hours

Additional Materials: Answer Paper
 1 insert
 World Outline Map

READ THESE INSTRUCTIONS FIRST

Write your name, admission number and class 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 **all** questions.

Section B

Answer **one** question.

Section C

Answer **one** question.

Insert contains all the Figures referred to in the question paper.
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.

This question paper consists of 6 printed pages.

[Turn over

Data Response Question

Section A

Answer **4** 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 and Hazards Management

1. Photograph A shows a granitic landform in North Carolina, United States of America.
 - (a) Draw an annotated sketch to show the main features of the landform shown in Photograph A. [4]
 - (b) Explain how rock characteristics and weathering processes are responsible for the landform formed. [8]

The Globalisation of Economic Activity

2. Fig. 1 shows the GDP per capita of different nations in 2013.
 - (a) Using Fig. 1, explain the term 'North-South Divide'. [3]
 - (b) Suggest reasons for the North-South Divide. [4]
 - (a) GDP per capita is not a good indicator to measure development. Suggest one other possible indicator and critically evaluate your suggested indicator as opposed to GDP per capita. [5]

Hydrologic Processes, Hazards and Management

- 3 Either** Fig. 2 shows the plans and storm hydrographs of a drainage basin before and after a period of urbanisation.
- (a) Citing evidence from the data, comment on the changes to the storm hydrograph after urbanisation. [4]
 - (b) Citing evidence from the data, account for the changes to the storm hydrograph as a result of urbanisation. [4]
 - (c) With the aid of diagrams, discuss 2 other factors that can account for the form of a drainage basin's storm hydrograph. [4]

Urban Issues and Challenges

- 3 Or** Fig. 3 shows the actual and expected growth of megacities from 1975 to 2025.
- (a) Using Fig. 3, compare the growth of megacities between the DCs and the LDCs between 1975 and 2025. [3]
 - (b) Account for your answer in 3(a). [4]
 - (c) Explain how city planners could better manage the problems posed by megacities. [5]

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

4 Either Fig. 4 shows the topographical map of area X (Latitude: 0.4°N).

- (a) Citing at least 2 pieces of evidence from the data, suggest the possible geology of the area. [3]
- (b) Explain the dominant weathering processes that could have shaped the landscape depicted in Fig. 4. [4]
- (c) Outline the likely characteristics of the hydrological cycle of this area, accounting for them with evidence from the data. [7]

The Globalisation of Economic Activity and Urban Issues and Challenges

4 Or Fig. 5 shows a city model of a Southeast Asian city.

- (a) Describe and account for the location of the residential function of the Southeast Asian city. [5]
- (b) Explain why squatter areas are often seen as undesirable in cities. [3]
- (c) Imagine you are the chief planning officer for this Southeast Asian city planning to attract and retain talents as part of its strategy to remain competitive in the globalised economy. Using Fig. 6, outline your considerations in reaching a decision about which proposal to approve for area marked 'X' in Fig. 5. [6]

Section B Physical Geography

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

Lithospheric Processes, Hazards and Management

5 EITHER

- (a) With the aid of well-labelled diagrams, account for the landform features found at destructive plate boundaries. [9]
- (b) With the aid of well-annotated diagrams and references to specific landforms on Earth, assess the validity of the Plate Tectonics Theory. [16]

5 OR

- (a) With reference to specific examples, compare the formation and characteristics of the various rock types. [9]
- (b) "Very little can be done to control the hazardous effect of volcanic eruption." To what extent do you agree with this statement? [16]

Hydrologic Processes, Hazards and Management

6. EITHER

- (a) Outline the factors affecting river velocity and explain how they influence the river channel's ability to do work. [9]
- (b) Using examples, explain how human activity in a drainage basin might alter stream flow and discuss the consequences that this might bring. [16]

6. OR

- (a) With the aid of an annotated diagram(s), describe and account for the key characteristics of a drainage basin hydrological cycle in the humid tropics. [9]
- (b) With reference to examples, discuss the issues behind the shared use of transboundary river basins. [16]

Section C Human Geography

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

The Globalisation of Economic Activity

7. EITHER

- (a) With reference to a transnational corporation (TNC), describe and account for its spatial organization. [9]
- (b) Evaluate the impact of supranational bodies on one or more national economy that you have studied. [16]

7. OR

- (a) Briefly discuss how globalisation has affected the economy of Newly Industrialised Economies (NIEs). [9]
- (b) Evaluate the extent to which globalisation has bridged the North-South Divide. [16]

Urban Issues and Challenges

8. EITHER

- (a) Compare and contrast these urban phenomenon and processes:
 i. Urbanisation and urban growth
 ii. Sub-urbanisation and counter-urbanisation
 iii. Gentrification and Re-urbanisation. [9]
- (b) To what extent is the Bid Rent Theory still useful in helping to explain urban structure in the today's context? [16]

8. OR

- (a) Under what conditions do primate cities develop? [9]
- (b) "Increasing road supply is the key to successful management of transport in urban areas." Assess the extent to which this is true. [16]

- End of Paper -