

**CATHOLIC JUNIOR COLLEGE
PRELIMINARY EXAMINATION 2008**

**GEOGRAPHY
Higher 1**

8812/01

Paper 1

25 August 2008
1300 – 1600 hrs
3 hours

Additional Materials: Paper
Insert
World Outline Map

READ THESE INSTRUCTIONS FIRST

Write your name 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

BEGIN EACH QUESTION ON A FRESH SHEET OF PAPER

At the end of the examination, hand in the physical geography questions separately from the human geography questions.

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

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 1A and 1B show different landforms formed from weathering processes.
- (a) Briefly describe the landforms shown and identify them. [3]
- (b) Explain how weathering has resulted in the formation of these landforms. [5]
- (c) How are the results of weathering shown in these photographs different from those seen in other types of weathering processes? [4]

The Globalisation of Economic Activity

- 2 Figure 2 shows changes in the structure of employment in Japan from 1980 to 2006.
- (a) Describe the changes to the structure of employment from 1980 to 2006. [3]
- (b) Account for the changes in the secondary industry. [6]
- (c) Explain the socio-economic effects of the changes in the secondary industry. [3]

Hydrologic Processes, Hazards and Management

- 3 EITHER** Figure 3 shows the storm hydrographs of 3 different basins – Basin A, B and C.
- (a)** Describe the storm hydrograph variations shown in all 3 basins and identify one possible reason for each basin. [4]
- (b)** Explain your reasons for the variations shown in all 3 basins. [4]
- (c)** Briefly compare and explain the use of storm hydrographs to drainage density in the attempt to account for the characteristics of basins. [4]

Urban Issues and Challenges

- 3 OR** Figure 4 shows housing areas in Mexico City.
- (a)** Account for the distribution of ciudades perdidas (temporary squatter settlements) in Mexico City as shown in Figure 4. [6]
- (b)** With examples, describe and explain other problems that may exist in mega-cities in Less Developed Countries (LDCs). [6]

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

- 4 EITHER** Figure 5A and 5B shows 2 different scenarios.
- (a)** Describe each of the diagrams and identify the scenario presented. [3]
- (b)** Explain clearly how the stages of development in these 2 scenarios have led to corresponding changes in hydrological components. [8]
- (c)** Briefly explain, with an example, how the scenario shown in 5B could be managed. [3]

The Globalisation of Economic Activity and Urban Issues and Challenges

- 4 OR** Figure 6 shows Hanoi's urban structure. Hanoi is a city in Vietnam.
- (a)** With reference to Figure 6, explain how globalization has affected the urban structure of Hanoi. [6]
- (b)** Define the Bid-Rent Theory. [3]
- (c)** Evaluate the usefulness of the bid-rent theory in explaining land-use patterns in Hanoi. [5]

Section B Physical Geography

Answer **one** question in this section.

Lithospheric Processes, Hazards and Management

- 5 EITHER** **(a)** Compare and contrast igneous and sedimentary rocks and their responses to weathering. [9]
- (b)** Discuss the role of man in mass movements. [16]
- 5 OR** **(a)** Compare and contrast the different types of plate boundaries. [9]
- (b)** Discuss how the interactions at these boundaries could impact on man. [16]

Hydrologic Processes and Management

- 6 EITHER** **(a)** Explain how climate could influence the flows and storages of a basin. [9]
- (b)** Using examples, examine the management of floods and conflicts of interests in river basins. [16]
- 6 OR** **(a)** Describe and explain the different processes found in rivers. [9]
- (b)** To what extent do you agree that these processes account for the formation and resultant shapes of river channels? [16]

The Globalisation of Economic Activity

- ## Urban Issues and Challenges

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|---|---------------|---|
| 8 | Either | (a) Describe and account for the different land-use zones in the Central Business District (CBD). [9] |
| | | (b) With reference to examples, evaluate the relative importance of historical forces, state planning, decentralization and globalization in affecting urban structure. [16] |
| 8 | Or | (a) Discuss the nature and causes of inner city decline. [9] |
| | | (b) Using examples, evaluate the success of a city at reurbanisation. [16] |