

Candidate Name: _____ CT Group / Index no.: _____

PIONEER JUNIOR COLLEGE
JC 2 Preliminary Examinations 2016



GEOGRAPHY
HIGHER 1

8812/01

Wednesday

14th September 2016

3 hrs

INSTRUCTIONS TO CANDIDATES

Write your **name, CT Group and index number** in the spaces provided on the cover sheet and submit it together with your answer scripts.

Section A

Answer **ALL** questions

Section B

Answer **ONE** question

Section C

Answer **ONE** question

- The number of marks is given in brackets [] at the end of each question or part question.
- Sketch-maps and diagrams should be drawn wherever they serve to illustrate an answer.
- You are reminded of the need for good English and clear presentation in your answers.

At the end of the examination, attach the cover sheet to your answer script and fasten all your work securely together.

Section A: Data Response Questions

Answer **all** the questions in this section

Lithospheric Processes, Hazards and Management

- 1 Fig. 1 shows the epicentre of the Chile Earthquake in February 2010, with a magnitude of 8.8. Fig. 2 shows the plate boundary of the Chile Earthquake. Fig. 3 shows the intensity of shaking and damage in the different cities of Chile Earthquake 2010.
- (a) With reference to Fig. 2, explain the occurrence of earthquake in Chile at this plate boundary. [4]
 - (b) With reference to Fig. 3, describe and explain the distribution of the intensity of shaking and damage of the Chile Earthquake. [4]
 - (c) Explain two possible reasons that could have affected the hazard vulnerability of the Chile Earthquake. [4]

The Globalisation of Economic Activity

- 2 Fig. 4 shows world trade flows in 2002 and 2012.
- (a) Describe the world trade flows as depicted in Fig. 4. [6]
 - (b) With reference to examples, explain 3 factors that may have led to inequalities in world trade. [6]

Hydrologic Processes, Hazards and Management

3 Either

Fig. 5 shows the map of Columbia River that cuts across the political border between Canada and USA. Fig. 6 shows the annual hydrograph for the Columbia River in Canada.

- (a) Describe the river regime of Columbia River as shown in Fig. 6. [3]
- (b) With reference to Fig. 5 and 6, explain two possible reasons that can influence the river regime as described in (a) [4]
- (c) Describe the methods you would use to study variations in infiltration rates on a slope. [5]

Urban Issues and Challenges

3 Or

Fig 7A and 7B show the location of the top 20 fastest growing world cities by world region in 2000 and 2013.

- (a) Identify the method used to represent data in Fig 7A and 7B. [1]
- (b) Describe the trend(s) as shown in Fig 7A and 7B. [4]
- (c) Suggest two reasons for the trend(s) that you described in (b). [4]
- (d) Explain why such world cities growth trend(s) may be a cause for concern. [4]

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

4 Either

Fig. 8 shows a mass movement in Washington, USA that happened in 2014.

- (a) (i) Identify the type of mass movement as shown in Fig. 8. [1]
- (ii) With reference to Fig. 8, describe the main features of the mass movement [3]
- (b) Explain how the mass movement can affect the river at the base of the slope. [4]
- (c) Explain the possible weathering processes that can weather the rocks on the slope in Fig. 8. [6]

Urban Issues and Challenges & The Globalisation of Economic Activity

4 Or

Fig. 9 shows the migration between a rural and an urban area in 1970 and 2012.

- (a) With reference to Fig. 9, describe how migration patterns changed from 1970 to 2012. [3]
- (b) Suggest two reasons for the changes you described in (a). [4]
- (c) Explain how you would conduct fieldwork in the urban area to confirm the reasons for the changes that you have suggested in (b). [6]

This question paper consists of 6 printed pages.

Section B: Physical Geography

Answer **ONE** question in this section.

Lithospheric Processes, Hazards and Management

5 Either

- (a) Explain how instability can result in different types of mass movement. [9]
- (b) To what extent do you agree that effective management of earthquakes is reliant on prediction methods? [16]

Lithospheric Processes, Hazards and Management

5 Or

- (a) Explain the different processes that result in granular and block disintegration. [9]
- (b) With reference to EITHER granite OR limestone, discuss the influence of the processes of weathering and erosion in the development of the resultant landforms. [16]

Hydrologic Processes, Hazards and Management

6 Either

- (a) With the aid of a diagram, describe the passage of water through a basin hydrological cycle. [9]
- (b) To what extent do you agree that the management of flood hazards is difficult? [16]

Hydrologic Processes, Hazards and Management

6 Or

- (a) Explain the role of pools and riffles in the formation of a meandering river. [9]
- (b) 'The management of transborder river basin has led to detrimental impacts on the river's ecosystem thus resulting in conflicts of interest among the riparian states.' [16]

To what extent do you agree with this statement?

Section C: Human Geography

Answer **ONE** question in this section.

The Globalisation of Economic Activity

7 Either

- (a) Explain what is *new international division of labour (NIDL)* and its relationship to TNC spatial organisation patterns today. [9]
- (b) Evaluate the impacts that NIDL may have on the various key players in the global economy. [16]

The Globalisation of Economic Activity

7 Or

- (a) Explain what is meant by *offshoring* and *outsourcing*. [9]
- (b) Evaluate the extent to which governments are able to successfully influence TNCs' offshoring and/or outsourcing decisions. [16]

Urban Issues and Challenges

8 Either

- (a) Explain the terms *urban deprivation* and *urban renewal*. [9]
- (b) Evaluate the idea that squatter settlements are areas of hope rather than areas of despair. [16]

Urban Issues and Challenges

8 Or

- (a) Explain the similarities and differences between *slums* and *squatters*. [9]
- (b) Explain why squatters develop in LEDCs and how they may be addressed in urban planning. [16]

END OF PAPER
