



## ANDERSON JUNIOR COLLEGE

### JC2 H1 Geography Preliminary Exams (2014)

#### H1 GEOGRAPHY

8812/01

Paper 1

3 September 2014

3 hrs

Additional Materials: Writing Paper  
1 Insert  
World outline map

#### READ THESE INSTRUCTIONS FIRST

1. Write your name and class in the spaces provided below, and on all the work you hand in.
2. Write in dark blue or black pen on both sides of the paper.
3. You may use a soft pencil for any diagrams, graphs or rough working.
4. 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, Photographs and Tables referred to in the questions.

You should make reference to appropriate examples studied in the field or the classroom, even where such examples are not specifically mentioned 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.

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.

Name: \_\_\_\_\_

PDG: \_\_\_\_\_

Question Attempted	Marks
<b>Section A:</b>	
1	/12
2	/12
3 _____	/12
4 _____	/14
<b>Section B:</b>	
_____	/25
<b>Section C:</b>	
_____	/25
<b>Percentage</b>	<b>100</b>

This question paper consists of 5 printed pages.

[Turn Over]

## Section A

Answer **four** questions in this section.

### Lithospheric Processes, Hazards and Management

- 1 Fig. 1 shows rainfall and landslide frequency in the UK for 2012.
- (a) Describe how the average rainfall distribution for the 2006-2013 period differs from the 2012 monthly rainfall distribution. [2]
  - (b) Describe how landslide frequency differs between the 2006-2013 period and 2012. [2]
  - (c) Describe and account for the relationship between monthly rainfall and landslide frequency in the UK for 2012. [4]
  - (d) Discuss one other factor that might also increase the likelihood of mass movements. [4]

### The Globalisation of Economic Activity

- 2 Fig. 2A shows the welfare divide while Fig. 2B shows two human welfare indicators for countries around the Mediterranean region.
- (a) With reference to Figs. 2A and 2B, describe and account for the welfare divide in the Mediterranean region. [7]
  - (b) Explain the usefulness of the Human Development Index (HDI) as a measure of development. [5]

### Hydrologic Processes, Hazards and Management

- 3 **Either** Fig. 3 shows down-slope flows of water.
- (a) Identify the flows marked X and Y on Fig. 3. [2]
  - (b) Briefly explain the conditions that will increase the likelihood of occurrence of flow X. [4]
  - (c) Describe the methods you would use to study variations in infiltration rates on slopes within a small catchment area. [6]

### Urban Issues and Challenges

- 3 **Or** Study Figs. 4A and 4B, which show the dock area at Swansea, UK, before and after urban renewal.
- (a) Describe, and suggest a brief explanation for **one** change to the transport system. Support your answer with evidence from Figs. 4A and 4B. [2]
  - (b) Compare residential land-use in Fig. 4A, before renewal, with that in Fig. 4B, after renewal. [4]
  - (c) Explain how you might undertake **primary** fieldwork to investigate the character of **manufacturing** in the area marked **X** on Fig. 4B. [6]

## **Lithospheric Processes, Hazards and Management and Hydrologic Processes, Hazards and Management**

**4 Either** Photograph A shows an aerial view of a river flowing in an alpine (mountainous) area.

- (a) With reference to Photograph A, explain how climatic conditions affect the nature of weathering processes and its weathered product. [6]
- (b) Account for the channel pattern as shown in Photograph A in relation to the nature of the weathered products. [8]

## **The Globalisation of Economic Activity and Urban Issues and Challenges**

**4 Or** The Chinese economy has attained such a size and is continuing to grow so rapidly that it is now being called 'the new workshop of the world'.

- (a) Fig. 5A shows the growth in Chinese exports between 1990 and 2003. Describe the trend shown in China's exports between 1990 and 2003. [3]
- (b) Fig. 5B shows changes in employment in China by industrial sector between 1978 and 2000.
  - (i) What proportion of the population was employed in primary industry in 1978? [1]
  - (ii) Suggest **four** reasons why China is now being called 'the new workshop of the world'. [4]
- (c) Discuss **three** characteristics how the central cities in China may function as global cities. [6]

## Section B Physical Geography

Answer **one** question from this section.

### Lithospheric Processes, Hazards and Management

- 5 EITHER** (a) Explain the evidence that support the theory of plate tectonics. [9]
- (b) *“Earthquakes strike suddenly without warning. Past earthquakes have taught us some valuable lessons which we can use to prepare for the worse.”*
- With reference to examples, assess the effectiveness of response strategies in reducing the impact of earthquakes. [16]
- 5 OR** (a) With the aid of a diagram, discuss how climate influences weathering processes. [9]
- (b) To what extent is it possible to mitigate the effects of volcanic hazards? [16]

### Hydrologic Processes, Hazards and Management

- 6 EITHER** (a) With the aid of a diagram, explain the formation of meanders and its related features at the middle-lower course of the river. [9]
- (b) With reference to examples, explain why strategies to resolve conflicts of interests in transborder river basins are seldom successful. [16]
- 6 OR** (a) Explain how the form of a drainage basin reflects its drainage efficiency. [9]
- (b) With reference to examples, assess the usefulness of flood prediction methods in mitigating the impact of river floods. [16]

## Section C Human Geography

Answer **one** question from this section.

### The Globalisation of Economic Activity

- 7 EITHER (a) Explain how the new international division of labour (NIDL) impacts the global economy. [9]
- (b) Evaluate the role of supranational bodies on the economy of **either** a country **or** a regional grouping of countries. [16]
- 7 OR (a) Outline the differences between the terms *tertiary*, *quaternary* and *quinary* as they are applied to the service sector of the economy and briefly account for their recent growth. [9]
- (b) “Globalisation creates more winners than it does losers.”
- To what extent do you agree with this statement? [16]

### Urban Issues & Challenges

- 8 EITHER (a) Discuss the factors which may help to explain the distribution of squatter settlements within urban cities in less developed countries. [9]
- (b) With reference to examples, assess the relative importance of the bid-rent theory in influencing contemporary urban structure. [16]
- 8 OR (a) Discuss the causes and impact of transport problems in urban areas. [9]
- (b) With reference to selected urban areas, assess the strategies used to manage transport problems in large cities. [16]