



# **Coimisiún na Scrúduithe Stáit State Examinations Commission**

**JUNIOR CERTIFICATE EXAMINATION, 2013**

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**GEOGRAPHY – HIGHER LEVEL**

**SECTION 2 (90 marks)**

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**FRIDAY, 7 JUNE – MORNING, 9.30 - 11.30**

**SECTION 1** of this paper is in a separate folder, where spaces are provided for your answers.

**PLEASE REMEMBER TO RETURN YOUR COMPLETED SECTION 1 FOLDER WITH YOUR ANSWER BOOK.**

## SECTION 2 (90 marks)

Answer any **THREE** questions.

All questions carry equal marks.

### Question 1. NATURAL PROCESSES

#### A. Weathering



Name the type of weathering most associated with the formation of the landscape shown above and explain this type of weathering.

(10)

#### B. Mass Movement

- (i) Explain how precipitation and gradient influence mass movement.
- (ii) Name **one** type of slow mass movement and describe its effects.

(10)

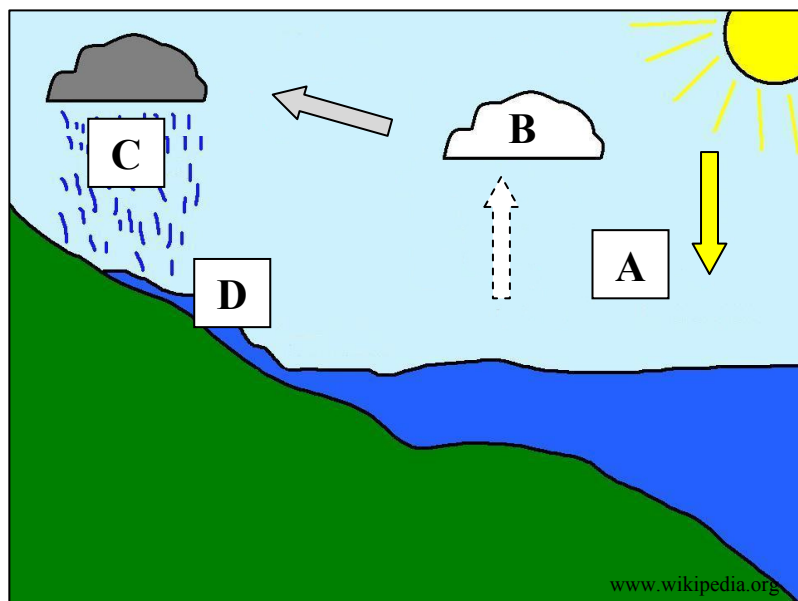
#### C. River Feature

Name **one** feature formed by **river deposition** and explain with the aid of a labelled diagram, how it was formed.

(10)

## Question 2. RESTLESS ATMOSPHERE

### A. The Water Cycle



(i) Explain the water cycle with reference to each of the stages labelled **A**, **B**, **C** and **D** in the diagram above.

(ii) Name **two** cloud types.

(10)

### B. Climatic Factors

Explain how any **three** of the following factors influence climate:

- Latitude
- Prevailing winds
- Distance from seas and oceans
- Altitude
- Relief.

(12)

### C. Greenhouse Effect

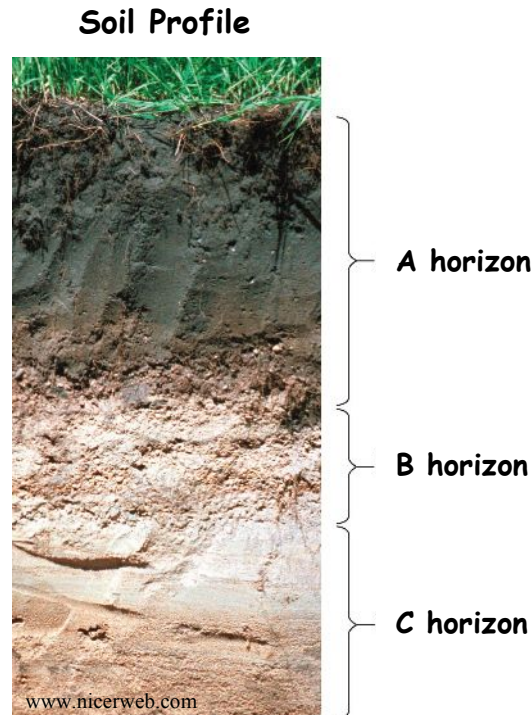
With the aid of a labelled diagram explain the greenhouse effect.

(8)

### Question 3. GEOGRAPHICAL MIX

Answer **ANY THREE** of the questions **3A, 3B, 3C, 3D**.

#### 3A. Soils



- (i) Describe and explain the formation of the soil profile shown above.
- (ii) Name **two** soil types commonly found in Ireland.

(10)

#### 3B. Migration

- (i) Name **one** example of organised migration that you have studied.
- (ii) Describe **two** effects of this organised migration on the area to which people migrated.
- (iii) Explain **one** barrier to migration in the present day.

(10)

### Question 3. GEOGRAPHICAL MIX (continued)

#### 3C. Tourist Regions



- (i) Choose any **two** of the types of tourist regions illustrated above and name an example of each.
- (ii) Explain why tourists are attracted to **each** of your named examples.

(10)

#### 3D. Exploitation of Peat Bogs



- (i) Describe **two** ways in which technology has aided in the exploitation of peat.
- (ii) Explain **two** reasons why the majority of Bord na Móna's commercial peat production takes place at the raised bogs in the Midlands.

(10)

#### Question 4. URBANISATION

##### A. Urbanisation in the Developing World

- (i) Name **one** city in the developing world that you have studied.
- (ii) Explain **two** problems associated with unplanned development in this city.

(10)

##### B. Urban Functions



Describe any **three** different functions associated with urban settlement(s) along the Rhine River Basin.

(10)



**Question 4. URBANISATION (continued)**

**C. Urban Development**



Examine the photograph above and answer the following questions.

- (i) In which of the city zones **A**, **B** or **C** would land values be highest?
- (ii) State **two** reasons why land values are highest in this zone.
- (iii) Describe **two** problems resulting from urban sprawl.

(10)

**Question 5. AERIAL PHOTOGRAPH AND ORDNANCE SURVEY MAP**

- A.** Examine the **AERIAL PHOTOGRAPH** supplied with this paper.

Draw a sketch map of the whole area shown on the aerial photograph.

On your sketch map, **show** and **label** each of the following features:

- A railway bridge
- A river
- **Two** connecting streets
- A castle.

(10)

- B.** A number of different economic activities are evident on the **AERIAL PHOTOGRAPH**.

- (i) Name and locate using correct terms (right background, etc.) an example of each of the following economic activities:

- Primary
- Secondary
- Tertiary.

- (ii) Choose any **one** of the examples of the economic activities named above and explain **two** reasons why it is at its present location.

(10)

- C.** Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Explain **three** reasons for the location of the industrial estate at S 977 419. For each reason include specific evidence from the **ORDNANCE SURVEY MAP** to support your answer.

(10)