



# Coimisiún na Scrúduithe Stáit State Examinations Commission

**JUNIOR CERTIFICATE EXAMINATION, 2010**

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**GEOGRAPHY - HIGHER LEVEL**

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**FRIDAY, 11 JUNE - MORNING, 9.30 TO 11.30**

**SECTION 2 (90 MARKS)**

Answer any **THREE** questions.

**SECTION 1** of this paper is on a separate folder, where spaces are provided for your answers. Please remember to return your completed Section 1 folder with your answer book.

# 1. THE EARTH'S SURFACE

## A. Mass Movement

- (i) Name **one** type of mass movement. (2)
- (ii) Explain how this type of mass movement occurs. (8)

## B. Weathering

The diagrams show one type of weathering.



Source: [www.geography.ie](http://www.geography.ie)

- (i) Name the type of weathering shown in the diagrams. (2)
- (ii) Explain how this type of weathering occurs. (8)

## C. The Earth's Crust

The world's plates collide and separate.

- (i) Name **one** feature formed where plates collide.
- (ii) Name **one** feature formed where plates separate.
- (iii) With the aid of a diagram, explain how **one** of the features named is formed. (10)

## 2. CLIMATE

- A. (i) Name **one** hot climate.  
(ii) Name **one** temperate climate.  
(iii) Name **one** cold climate. (6)
- B. Select **one** climate and describe it in detail referring to temperatures and precipitation. (12)
- C. Factors affecting climate include:
- Latitude
  - Distance from the seas and oceans
  - Prevailing winds
  - Altitude
  - Relief
  - Aspect.

Select any **three** of these factors and explain how each one affects climate. (12)

## 3. ECONOMIC ACTIVITIES

### A. Fishing

The table shows fish catches (tonnes) in the Celtic Sea.

	<b>Plaice</b>	<b>Cod</b>	<b>Herring</b>
<b>1997</b>	1,212	12,035	18,800
<b>2002</b>	646	9,356	10,550
<b>2007</b>	406	4,287	8,268

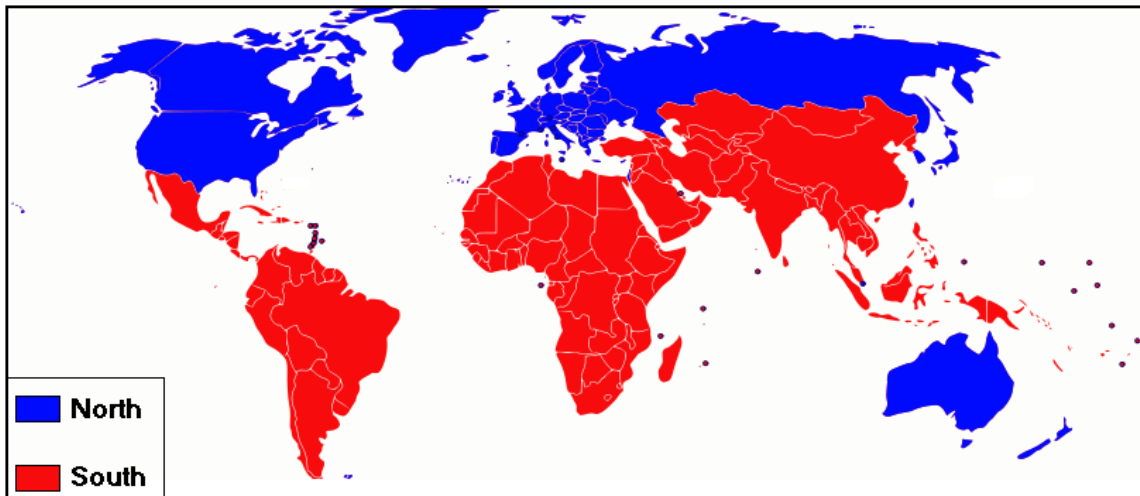
- (i) Describe the trend indicated by the figures in the table.
- (ii) Explain the term 'overfishing'.
- (iii) Explain **two** reasons why overfishing occurs in Irish waters. (10)
- B. **Secondary Industry**
- (i) Name **one** manufacturing industry you have studied.
- (ii) Describe this industry referring to its inputs, processes and outputs. (10)
- C. **Ordnance Survey Map and Tourism**
- Using the **ORDNANCE SURVEY MAP** provided, explain **two** reasons why tourists might go to Carrick-on-Suir on their holidays. (10)

#### 4. GEOGRAPHICAL MIX

Answer any **three** of the following questions **4A, 4B, 4C, 4D**.

##### 4A. An Unequal World

Examine the map of the world.



Source: wikimedia.org

- (i) Which area is more developed, the North or the South? (2)
- (ii) Briefly explain why child mortality is higher in the South. (4)
- (iii) Explain **one** reason why people might migrate from the South to the North. (4)

##### 4B. Functional Zones in Cities

Cities have different functional zones including:

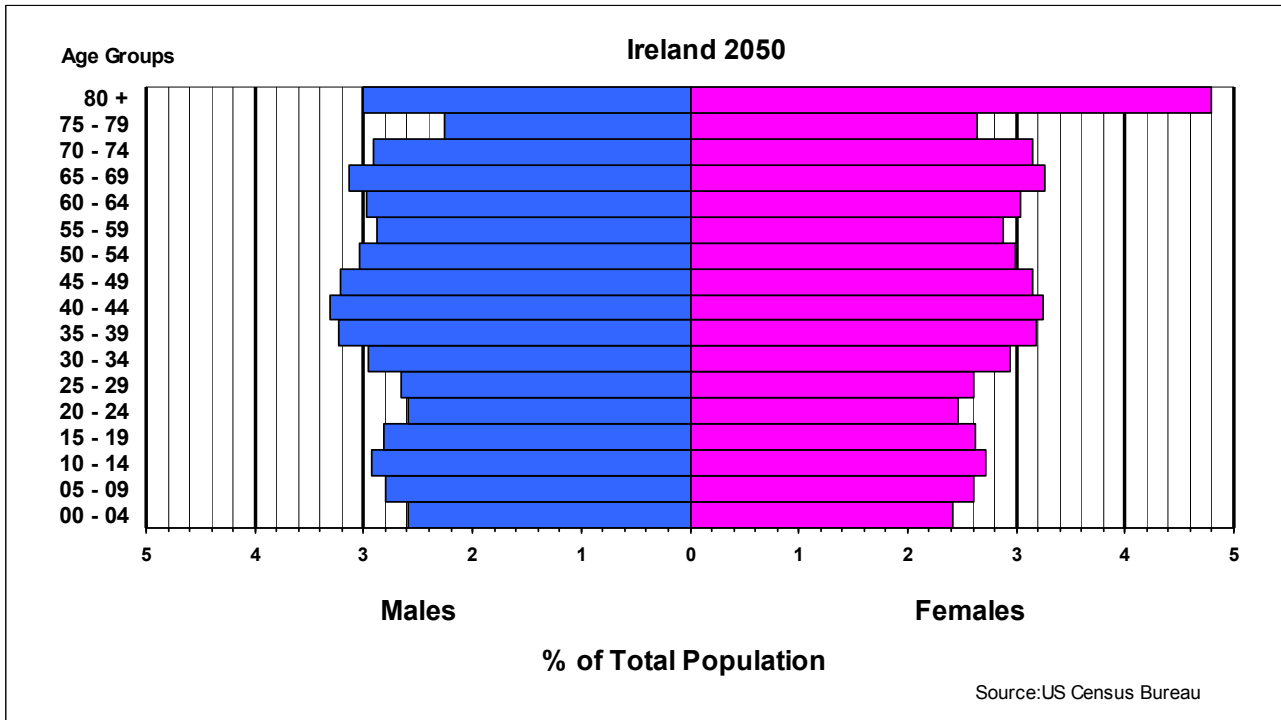
- The Central Business District (CBD)
- Shopping areas
- Industrial areas
- Residential (housing) areas
- Open spaces.

Explain the location of any **two** functional zones in a city you have studied.

(10)

#### 4C. Population

Examine the population pyramid for Ireland in 2050.



- (i) What percentage of the population will be in the 80 + age group in 2050? (2)
- (ii) Explain why life expectancy will be longer in 2050. (4)
- (iii) Name **two** ways in which governments use population pyramids. (4)

#### 4D. Rivers

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

(10)

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

**A.** Examine the **AERIAL PHOTOGRAPH** provided.

**Draw a sketch map** of the photograph.

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

- The river
- A recreational area
- A castle
- A church.

(10)

**B.** Examine the **ORDNANCE SURVEY MAP** provided.

(i) Identify and give grid references for **two** rural settlement patterns shown on the map.

(ii) Explain why **one** of the settlement patterns has developed at the location you have given.

(12)

**C.** Using the **ORDNANCE SURVEY MAP** provided explain **two** reasons why coniferous plantations are located north of Northing 27.

(8)

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