



**Coimisiún na Scrúduithe Stáit
State Examinations Commission**

JUNIOR CERTIFICATE EXAMINATION, 2007

GEOGRAPHY - HIGHER LEVEL

MONDAY, 11TH JUNE - AFTERNOON, 1.30 TO 3.30

SECTION 2 (90 MARKS)

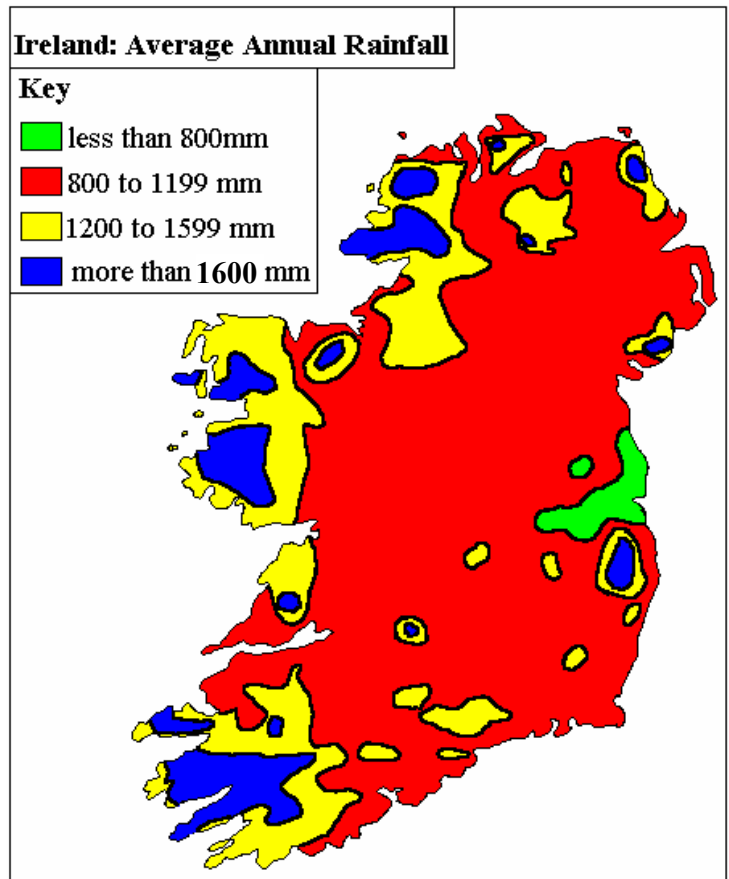
Answer **THREE** questions.

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

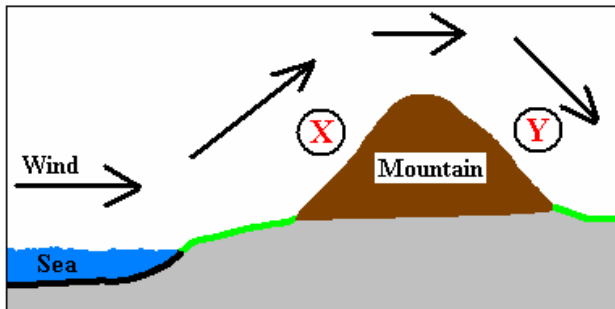
1. RAINFALL AND DROUGHT

A. The map shows annual precipitation (rainfall) in millimetres throughout Ireland.
The diagram shows the movement of air blowing in from the sea over a mountain.

Map



Diagram



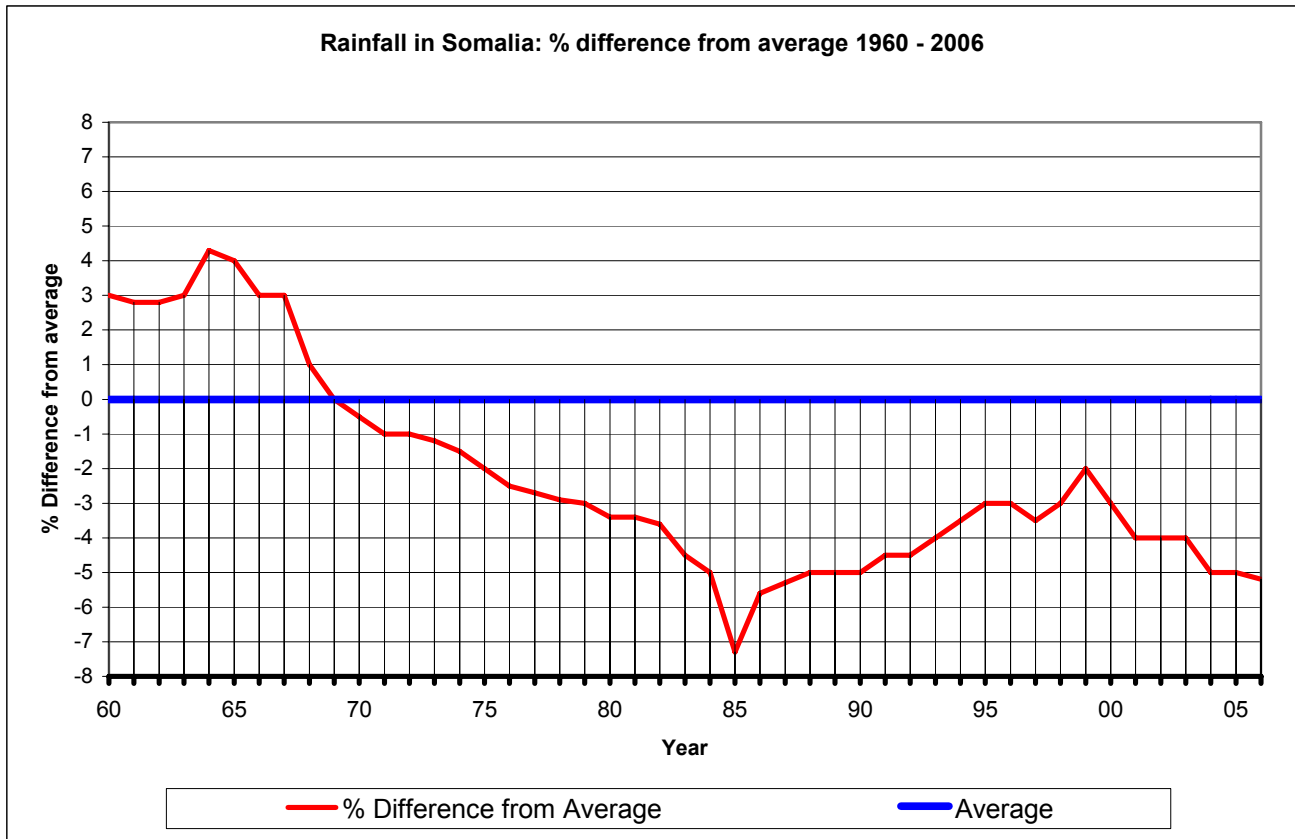
- (i) What is the annual rainfall at Dublin City? (2)
- (ii) What name is given to lines on maps which show places of equal precipitation? (2)
- (iii) Explain why the place labelled X on the diagram could be expected to have higher precipitation than the place labelled Y. (6)

B. *Some countries use large irrigation schemes to help overcome problems associated with water shortages.*

- (i) Name **one** large scale irrigation scheme that you have studied. (1)
- (ii) Describe **one** advantage and **one** disadvantage of that irrigation scheme. (8)

C. Some African countries suffer because climate change may result in a shortage of precipitation.

The graph shows how rainfall levels changed over time in Somalia between 1960 and 2006.



- (i) Name the year that had the least rainfall. (1)
- (ii) Name the year that had the most rainfall. (1)
- (iii) Describe **three** effects which a severe shortage of rain might have on the development of a country such as Somalia. (9)

2. RIVERS

A. Feature of river erosion

Name **one** feature of river erosion and with the aid of a diagram explain how it was formed. (10)

B. Feature of river deposition

Name **one** feature of river deposition and with the aid of a diagram explain how it was formed. (10)

C. Rivers and People

- (i) Name and briefly explain **one** way that people use rivers. (5)
- (ii) Name and briefly explain **one** way that people pollute rivers. (5)

3. GEOGRAPHICAL MIX

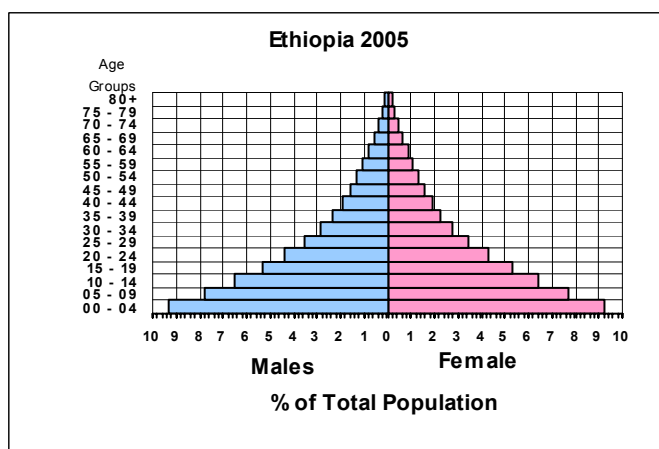
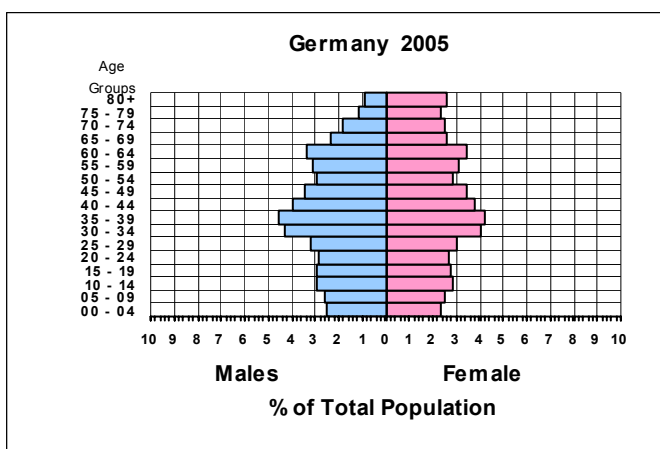
Answer any three of the questions A to D below

A. Global Warming

- (i) Name and explain **two** ways that people help to cause global warming. (6)
- (ii) Name and describe **one** way in which global warming could harm people in the future. (4)

B. Population Change

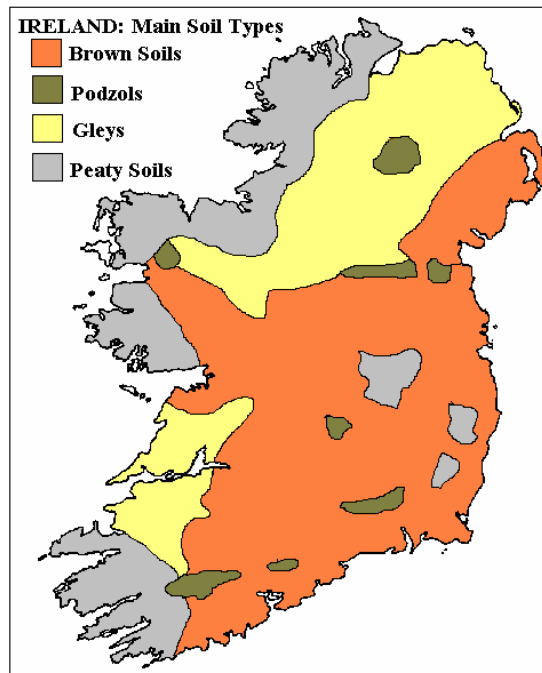
Examine the diagrams which show the population structures of Germany and Ethiopia.



- (i) What are these diagrams called? (1)
- (ii) Describe how the diagrams show the differences in **birth rates**, **death rates** and **life expectancy** between the two countries. (9)

C. Irish Soil Types

Examine the map, which shows some of Ireland's principal soil types.



- (i) Identify the most common soil type in the south east of Ireland. (1)
- (ii) Choose **two** Irish soil types and describe any **three** differences between them. (9)

D. Fold Mountains

The movements of crustal plates have given rise to the fold mountains shown on the picture.



- (i) With the aid of a diagram, explain how **fold mountains** are formed.
 - (ii) Name **one** range of fold mountains in Ireland.
- (10)

4. INDUSTRIAL LOCATION AND URBAN STUDIES

A. Industrial Location

The general location of Britain's iron and steel industry has changed over time. Explain why this happened. You may use the diagram below to assist you.



(10)

B. Urban Renewal

The picture shows an area in Dublin that has undergone urban renewal.



- (i) What is urban renewal? (2)
- (ii) Explain how urban renewal has benefited local people in **one** Irish urban area that you have studied. (8)

C. Urban Functions

The functions of many towns have changed over time.

In the case of **one** named Irish town or city that you have studied, describe how its functions have changed. In your answer refer to **three** different functions.

(10)

5. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH

A. Draw a sketch map of the area shown on the **Ordnance Survey map**.

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

- The built up area of Drogheda
- An industrial estate within the built up area of Drogheda
- The most northerly antiquity shown on the map
- A motorway
- The county boundary

(12)

B. Using the **Ordnance Survey map** name and describe **two** different tourist attractions shown in the Bettystown and Laytown area in the east and south east of the map.

(12)

C. Name and locate **two** different land-uses shown on the **Aerial Photograph**.

(6)

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