

AN ROINN OIDEACHAIS AGUS EOLAÍOCHTA



LEAVING CERTIFICATE EXAMINATION 2001

GEOGRAPHY - HIGHER LEVEL

MONDAY, 11 JUNE – AFTERNOON 1.30 TO 4.50

Four questions to be answered, namely Question 1, Question 5 and two questions from Section B (questions 2, 3, 4).

In discussion-type answers it is better to treat of three or four aspects of the main theme in some detail rather than give a superficial treatment of a large number of points.

SECTION A – MAP WORK
Answer ALL of Question 1

1. **Make sure you have an Ordnance Survey map and an Aerial Photograph.**

(a) Describe **three** key factors affecting the evolution of the town of Ardee.

Make detailed reference to map evidence in your answer.

(30 marks)

(b) "Much of the historic settlement in the area covered by the map is rural settlement."

Comment on the validity of this statement using map evidence only.

(30 marks)

(c) Suggest a suitable site for a new hotel/conference centre complex.

Justify your selection with detailed evidence from both the map **and** the photograph supplied.

(40 marks)

SECTION B – PHYSICAL, SOCIAL and ECONOMIC GEOGRAPHY
Answer TWO Questions

2. **PHYSICAL GEOGRAPHY: Answer 2(a) or 2(b) or 2(c) or 2(d).**

(a) **River Studies**

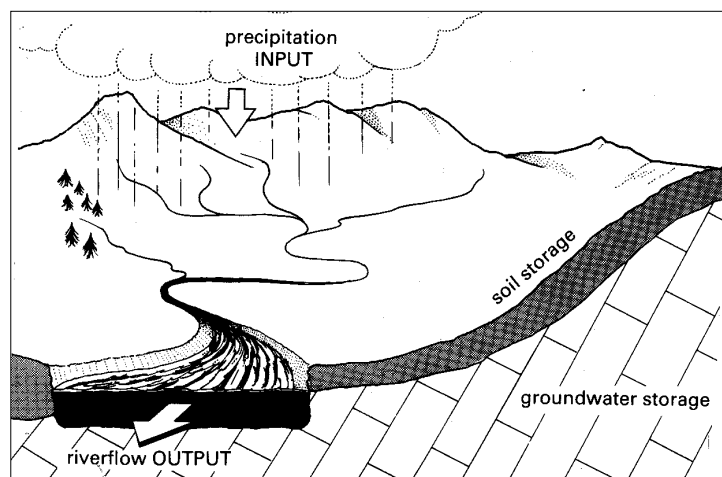
(i) Explain the processes involved in the formation of **three** landforms found along the course of a river.

(75 marks)

(ii) "River flooding cannot be totally avoided but it must be controlled."

Assess the validity of this statement in the light of examples you have studied.

(25 marks)



(b) **Plate Tectonics, Earthquakes And Volcanoes**

- (i) Explain the relationship between Plate Movements and the occurrence of volcanoes **and** earthquakes. (75 marks)
- (ii) Discuss, with reference to examples, **two** negative effects of volcanic action. (25 marks)

(c) **Types Of Weathering**

- (i) Describe and explain **one** example of CHEMICAL WEATHERING and **one** example of PHYSICAL **or** MECHANICAL WEATHERING. (60 marks)
- (ii) Examine the causes **and** effects of ACID RAIN. (40 marks)

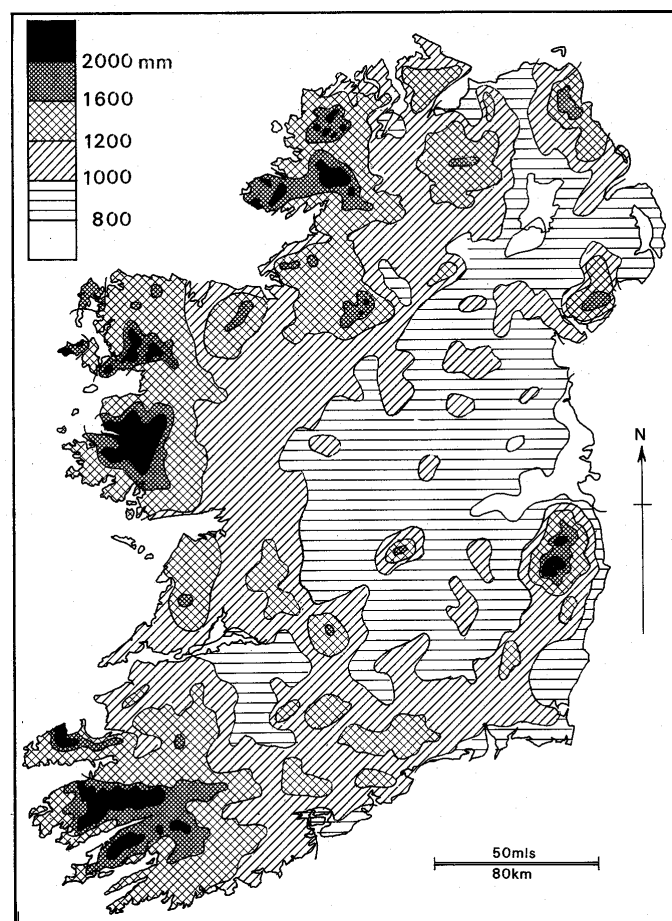
(d) **Rainfall in Ireland And Climatic Change**

- (i) "The amount of rainfall in Ireland varies from place to place."

Comment on this statement by outlining **three** of the factors affecting this variation.

Use examples from the map below to illustrate your answer.

(60 marks)



Annual Rainfall of Ireland

- (ii) "Climatic change and the human contributions to that change are major issues facing humankind." Explain this statement. (40 marks)

3. SOCIAL GEOGRAPHY: Answer 3(a) or 3(b) or 3(c) or 3(d).

(a) Examine the colour aerial photograph of Ardee supplied.

(i) Draw a sketch map of the area of Ardee covered by the aerial photograph. Identify and name on your map **four** different land uses evident on the photograph. (40 marks)

(ii) "Traffic congestion is likely to be a problem in Ardee."

Using evidence from **both** the Ordnance Survey **and** the aerial photograph supplied, comment on the validity of this statement.

In your answer identify **two** places where traffic congestion is likely to be at its worst. (30 marks)

(iii) Imagine that the timber yard in the centre foreground of the aerial photograph is about to close. Suggest **one** private and **one** public use of this site that would benefit the town of Ardee. (30 marks)

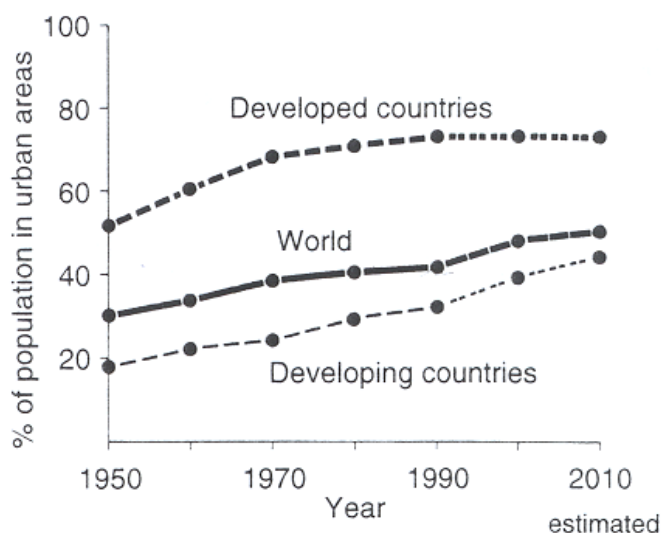
(b) **Famines In Africa**

(i) "In recent year we have again witnessed the tragedy of famine in Africa." Examine **three** causes of such famines using examples from Africa that you have studied. (60 marks)

(ii) Discuss **two** courses of action which could be taken to address the problem. (40 marks)

(c) **Urbanisation And Development**

"The growth in the percentage of population in urban areas has brought advantages **and** problems to both developed and developing countries."



Examine this statement with reference to the graph above and to examples you have studied. (100 marks)

(d) **Migration**

(i) "The influx of refugees, migrant workers and asylum seekers presents opportunities and difficulties for receiving countries." Examine some of the opportunities **and** difficulties referred to in this statement. (70 marks)

(ii) Outline **three** ways in which the Irish Government might respond to the challenges outlined in Part (i). (30 marks)

4. **ECONOMIC GEOGRAPHY: Answer 4(a) or 4(b) or 4(c) or 4(d)**

(a) **Uses of Energy**

- (i) Examine some of the arguments in favour of **and** some of the arguments against the continued use of Nuclear Power in the economies of Western Europe. **(60 marks)**
- (ii) Assess the merits of any **two** renewable energy sources you have studied. **(40 marks)**

(b) **Industrial Location**

- (i) "Labour and markets are now more important than the availability of raw materials as factors affecting the location of modern industries."
Discuss this statement with reference to examples you have studied. **(60 marks)**
- (ii) "In spite of changes in the factors affecting industrial location, ocean ports continue to be attractive to manufacturing industries."
Examine this statement, referring in your answer to examples you have studied. **(40 marks)**

(c) **Agriculture**

Examine, with reference to specific examples, the importance of **each** of the following in the development of Agriculture:

- Physical conditions
- Distance from markets
- Political Factors.

(100 marks)

(d) **Fieldwork**

In relation to **any** geographical fieldwork which you have completed:

- (i) State the title and aims of the exercise. **(10 marks)**
- (ii) Explain how you prepared for the fieldwork. **(15 marks)**
- (iii) Describe how you gathered and recorded data in the field. **(30 marks)**
- (iv) Explain the main results and conclusions. **(30 marks)**
- (v) What Geographical Skills did you use in conducting your fieldwork Project? **(15 marks)**

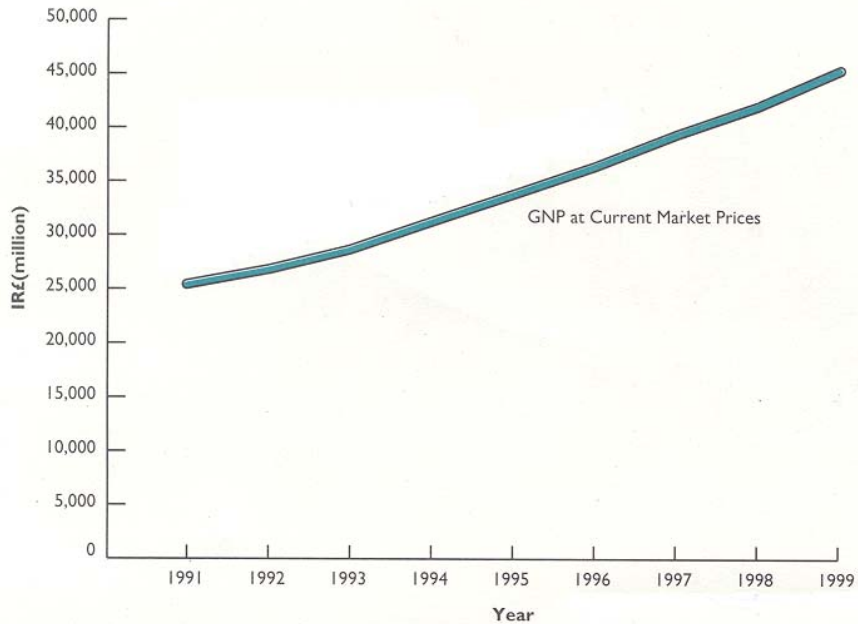
SECTION C

Answer Question 5

5. REGIONAL GEOGRAPHY: Answer 5 (a) or 5(b) or 5 (c) or 5 (d).

(a) Ireland's Economic Expansion

Republic of Ireland's Gross National Product



(i) Ireland's economic growth over the past decade has been very impressive.

Examine any **three** factors which account for this development.

(80 marks)

(ii) Discuss **one** negative impact of such rapid economic expansion.

(20 marks)

(b) Natural Resources

"Natural Resources play a major role in the economic development of countries. Discuss this statement with detailed reference to any **one** of the following countries

– Switzerland, Netherlands, Norway, Sweden, Britain, Spain, Ireland.

(100 marks)

(c) Core and Periphery areas

(i) Examine, with reference to **two** examples from your study of Western Europe, **three** characteristics of a CORE region.

(60 marks)

(ii) Suggest and justify **two** policies to adjust imbalances between CORE and PERIPHERAL regions in Europe.

(40 marks)

(d) The Role of the Sea in Western Europe

Examine, with reference to at least **two** countries, the role of the sea in the economy of Western Europe.

(100 marks)