



AN ROINN | DEPARTMENT OF
OIDEACHAIS | EDUCATION
AGUS EOLAÍOCHTA | AND SCIENCE

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Scrúduithe Ardteistiméireachta, 2001

Tíreolaíocht

Ardleibhéal

Marking Scheme

Leaving Certificate Examination, 2001

Geography

Higher Level

LEAVING CERTIFICATE **2001**

MARKING SCHEME

GEOGRAPHY HIGHER **LEVEL**

Note:

- Gr. = Grade mark [that is a sliding scale of marks from 0 to maximum.]
- Loc = Location,
- Ref = Reference
- Adv = Advantage
- St. = Statement
- Desc. = Description
- Exp. = Explanation

SECTION A – MAP WORK

Question 1

- (a) Describe **three** key factors affecting the evolution of the town of Ardee.
Make detailed reference to map evidence in your answer.

(30 marks)

Three factors @ 10m each divided:

Factor named 2m

Loc or Ref. to Map 2m /0m e.g. named road(s)

Desc/ Expl. 6m gr. (4/ 2/ 0).

Comprehensive St. could get 6m. Mere statement only, 2m

Re Location by Grid Reference:

Six-figure grid required

If figures are incorrect 0m

If figures are correct & letter incorrect 1m or letter missing 1m

Figures & Letter correct 2m

- (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)

Three different examples of statement @ 10m each divided

Name 2m

Loc 2m (vague 1m)

Historic Content 2m

Desc. / Expl. of statement 4m gr.

[Re Historical Context:

- accept “old” or “ancient” once only

- accept “recent” of “modern” once only]

- 3 patterns of settlement are acceptable as examples of settlement.
- Max. of one example from Grey Area of Ardee.
- Placename is acceptable as example.
- Road pattern is acceptable.

- (c) Suggest a suitable site for a new hotel/conference centre complex.
Justify your selection with detailed evidence from both map and the photograph supplied.

(40 marks)

Site 4m (either Map or Photo)

Three reasons @ 12m each divided:

Reason stated 4m

Applied to Map and/or Photo 8m gr.

SECTION B
PHYSICAL, SOCIAL AND ECONOMIC GEOGRAPHY

Question 2. PHYSICAL GEOGRAPHY

(a) River Studies

- (i) *Explain the processes involved in the formation of **three** landforms found along the course of a river. (75 marks)*

Three landforms @ 25 m each divided

Landform named 3m

Process(es) involved named 2m

Expl. re formation 20 m gr. [Accept erosion/deposition for Process]

OR

Process (es) named 2m

Expl. of Process(es) 20m gr.

Landform resulting 3m

[Accept the words 'Erosion' or 'Deposition' for process i.e. 2m

Accept Rejuvenation, River Capture, but not Drainage Pattern(s)]

- (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)*

Two discussions @ 13m + 12m divided

Naming the control 3m

Discussion re statement 10m gr. (9m gr.)

If not linked in clearly to an example (river or area) max 6m gr. from discussion mark.

Mere throwaway example 2m

OR

One major discussion @ 25 m divided.

Control Named 5m

Discussion re statement 20m gr.

If not linked in clearly to an example (river or area) 12m max. ex discussion mark.

The discussion(s) must deal with control & avoidance.

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

- (i) *Explain the relationship between Plate Movements and the occurrence of volcanoes **and** earthquakes.* **(75 marks)**

From the full account:

Theory of Plate Tectonics 30m gr. [3 aspects at least dealt with]

How related to Volcanoes 15m gr.

How related to Earthquakes 15 m gr.

Two specific Volc. / Volc. Regions & Two specific E'quakes / E'quake regions named @ 4m / 4m / 4m / 3m

- (ii) *Discuss, with reference to examples, **two** negative effects of volcanic action.* **(25 marks)**

Two negative effects @ 13m + 12m

In each case: Effect named 3m

Discussion 10m gr. (9m gr.)

Mere throwaway example 2m

If not linked in clearly to example(s) 6m max gr. per discussion mark.

(c) **Types of Weathering**

- (i) *Describe and explain **one** example of CHEMICAL WEATHERING and **one** example of PHYSICAL or MECHANICAL WEATHERING.* **(60 marks)**

Two examples @ 30m each, divided:

Process named 3m

Desc./Expl. of Process 25m gr.

Specific area or specific feature of this type of weathering 2m

OR

Process named 3m

Desc./Expl. of the process at work to create a landform 25 m gr.

Specific Area / Feature 2m

- (ii) *Examine the causes and effects of ACID RAIN.* **(40 marks)**

Two causes / Two effects @ 10m each divided

Cause / Effect Named 3m

Desc. / Expl. 7m gr.

(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)

Three factors @ 20m each.

In each case: Factor named 3m

Discussion re variation 17m gr. (14/ 11/ 8/ 5/ 3)

[If not linked in clearly to map 12 m max.]

- (iii) *“Climatic change and the human contributions to that change are major issues facing humankind.” Explain this statement.* **(40 marks)**

Two changes @ 20m each.

In each case: Change identified 3m

Human Involvement identified 3m

Explanation of Human Involvement 7m gr.

Discussion re being a “major issue” 7m gr.

QUESTION 3. SOCIAL GEOGRAPHY

(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)*

Sketch Map:

Outline & Proportions of the frame of the whole photo = 4m gr.

4 land uses: Identified on sketch = 5m each gr.

Naming each land use (or function) = 3m each

Overall depiction = 4m gr. (i.e. neatness, blending in of features etc.)

[Land Uses identified: Accept 'A Cross' for Church.]

If Sketch is traced mark as per scheme & divide by 2.

If outline only is traced lose 4m.

Note:

Max. of two land uses re agriculture (which includes market gardening)

Max. of two land uses re industrial /commercial

Max. of two land uses re housing

Max. of two land uses re recreation / tourism

Roads / Streets max of ONE land use

- (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)**

Location / Identification of two congested sites @ 3m each
In each case why congestion: Applied to map 6m gr.
Applied to photo 6m gr.

OR

One site EXPLAINED RE Map only 12m gr. The other site must then be explained to photo only @ 12m gr.

Schemes are not interchangeable

Location by Grid Reference:

Six Figure Grid Reference is required.

If Figures incorrect 0m.

If Figures only correct 1m.

Figures & Letter correct 3m

Accept Location by Cardinal Points

Location other than by grid 3m graded

The discussion re "why congestion " may be applied to the whole map/photo rather than the mere two locations named.

- (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)

Two uses @ 15m each.

In each case: Use named 3m

Expl. re benefit to town 12m gr.

If not linked in clearly to photo 6m max gr.

The use must be clearly identified as public or private or clearly known as such.

(b) **Famines in Africa**

- (ii) *“In recent year we have again witnesses the tragedy of famine in Africa.”
Examine **three** causes of such famines using examples from Africa that
you have studied.*

(60 marks)

Three causes @ 20 m each.

In each case: Cause Named 3m
 Discussion 17m gr.

(If not linked in clearly to specific locations in Africa 12m gr.
max re discussion mark.)

- (iii) *Discuss **two** courses of action which could be taken to address the
problem.*

(40 marks)

Two actions @ 20 m each

Action named 3m
Discussion 17m gr.

(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)

One advantage re developed countries @ 25m
One problem re developed countries @ 25m
One advantage re developing countries @ 25m
One problem re developing countries @ 25m

In each case:

Naming Adv / Problem 3m

Discussion 17m gr.

(If not clearly linked into countries 12m max gr.)

Two references to graph 3m + 2m.

Adv / Problem may be the same for developed & developing but treatments must be different.

(d) **Migration**

(ii) *“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)

Three opportunities /difficulties on 2:1 or 1:2 basis.

In each case: Opportunity / Difficulty Named 3m

Discussion 21m / 20m / 20m gr.

Must be receiving countries

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

(30 marks)

Three ways @ 10 m each.

In each case: Way Named 3m

Discussion 7m gr.

QUESTION 4. ECONOMIC GEOGRAPHY

(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)

Three arguments for/against on 2 :1 or 1 : 2 basis.

Each argument @ 20m.

In each case: Argument stated 3m
 Discussion 17m gr.

(If not linked in clearly to an "economic" dimension 12m max re discussion mark.)

- (ii) *Assess the merits of any **two** renewable energy sources you have studied.*

(40 marks)

Two Renewable sources @ 20m each

Each 20 m divided: Source Named 3m
 Discussion re merits 17m gr.

Negatives not acceptable.

(b) Industrial Location

- (i) *"Labour and markets are now more modern 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)

Discussion re Labour – Raw Materials @ 30m
Discussion re Markets – Raw Materials @30m

In each case: Discussion of the relative importance 25m gr.
Example of a modern industry or location of modern industry 5m

(If the "relative importance" aspect is not linked into the discussion 17m max for the discussion.)

Should the answer deal with the locational importance of Labour only; Markets only; Raw Materials only allow discussion on each of two headings @ 17m each gr.

5m for example may be allowed in each of the discussions.

- (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)

Two discussions @20m each.

In each case: Reason why / why not attractive 3m
Discussion 17m gr.

(If not clearly linked in to a named port or type of port 12m max for discussion.)

(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)

Three headings @ 34m / 33m / 33m

In each case:

Reason(s) re importance stated 5m

Discussion re importance 29m / 28m /28m gr.

(If discussion is not clearly linked in to example(s) 18m gr. max for discussion.)

(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.* (30marks)
- (iv) *Explain the main results and conclusions.* (30 marks)
- (v) *What Geographical Skills did you use in conducting your fieldwork Project?* (15 marks)

- (i) Title 5m (Vague Title 2m)
Aim(s) 5m (Vague 2m)

- (ii) Preparation: Three comprehensive st. @ 5m each
Or
Three non-comprehensive st. @ 2m each
Development /Explanation of each @3m

- (iii) Gathering / Recording: Three activities @ 10m each gr.
(One of these activities may be "recording")

- (iv) Three Results/Conclusions @10m each

Either six comprehensive st. @ 5m each
(Vague 2m + Dev. 3m gr.)

Or

Statement 5m + Development /Explanation 5m gr.
Accept Results only or Conclusions only or a combination of both.

- (v) Three Skills @ 5m each

Comprehensive statement 5m
Vague statement 2m + Dev. 3m gr.
(A one-word statement e.g. "mapping" 2m)

Or

If two skills @ 8m + 7m
Naming Skill 3m (2m) Discussion 5m gr.

SECTION C

QUESTION 5. REGIONAL GEOGRAPHY

(a) Ireland's Economic Expansion.

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

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

(80 marks)

Three factors @ 27m / 27m / 26m

In each case Factor Named 5m
Discussion 22m (21m) gr.

The discussion must have an economic dimension

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

(20 marks)

One negative impact @ 20m

Impact named 5m
Discussion of Impact 15m gr.

(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)

If **TWO** resources only:

Mark each resource @ 50m.

In each case: Resource Named 5m

Role 45m

Re the “Role” – The answer must contain / discuss two separate treatments of that role @ 23m /22m gr.

(If the treatment is not linked in to the economy of a country 12m gr. max per treatment.)

OR

If **THREE** Resources:

Mark each 34m /33m /33m

In each case : Resource Named 5m

Role(s) 29m (28m) gr.

(If the treatment is not linked into the economy of a country 15m gr. max.)

OR

If **FOUR** Resources:

Mark each resource @ 25m.

In each case: Resource Named 5m

Role 20m gr.

(If the treatment is not linked into the economy of a country 10m gr. max.)

(c) **Core and Periphery.**

- (i) *Examine, with reference to **two** examples from your study of Western Europe, **three** characteristics of a CORE region.* (60 marks)

Two CORES @ 30m each.

In each case: Three characteristics @ 10m each divided
Characteristic Named 2m
Discussion in relation to the named core 8m gr.
(Must be tied into the named core.)

(Should the same characteristic be applied to two cores mark as above, i.e. Characteristic 2m +2m Discussion 8m + 8m)

- (ii) *Suggest and justify **two** policies to adjust imbalances between CORE and PERIPHERAL regions in Europe.* (40 marks)

Two policies @ 20m each.

In each case: Policy Named 5m
Discussion of policy re adjusting imbalances 15m gr.
[Past, Present or Future Policy acceptable.]

(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)*

TWO COUNTRIES @ 50m each.

In each case: **TWO ROLES** re each country @ 25m each.

Role named 2m

Discussion re Country 23m gr.

Should the same role be applied to two countries mark as per above scheme i.e. Role 2m + 2m Discussion 23m gr. + 23m gr.

(If "economic" dimension, not linked in to the discussion 12m max.)

or

If the same one role only for two countries:

Mark: Role Named 2m + 2m

Discussion of role re each country @ 48m +48m

In each case two aspects of the role discussed @ 24m + 24m gr. for **each** country.

(If "economic" dimension, not linked in to the discussion 12m max per each aspect.)

If one role only for Country A and one different role for Country B

Mark as previous scheme i.e. 2m + 24m +24m for each country.

OR

THREE COUNTRIES @ 34m / 33m / 33m

Re each country **TWO** roles.

In each case: Roles Named 2m +2m

Discussion re Country A 15m +15m gr.

Discussion re Country B 15m +14m gr.

Discussion re Country C 15m +14m gr.

(If "economic" dimension, not linked in to the discussion 7m max.)

or

If **one** role only per country.

Role named 4m

Discussion 30m / 29m / 29m gr.

(If not linked in clearly to the country 15m max gr.)

Schemes are interchangeable for Three Countries

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MODIFIED SCHEME

As per general scheme except

Q2d (i) Three factors @ 20 m each

In each case/ Factor named 3m

Discussion re variation 17 m gr.

60m

(ii) As per general scheme

3a (i) Three problems re Traffic Congestion @ 24m, 23m,23m. In each case.

Problem named 3m. Discussion 21m, 20m 20m gr.

70m

(if discussion is not clearly linked in to Towns/Cities 14m max gr.)

(ii) Three measures @ 10m ea. In each case

30m

Measure identified 3m. Discussion re effectiveness 7m gr. 100m

3c As per general scheme except each 25m divided

Naming Adv/Problem 3m. Discussion 22m gr (if not clearly

100m

linked in to e.g(s) 15m gr max)

4d (i) Two means of promotion @ 25m each. In each case

50m

Means identified 3m. Discussion re importance 22m gr

(If not linked in clearly to e.g(s). 15m graded max re discussion)

Should the answer deal with the importance other than of landscapes

each 25m is divided – Means 3m Discussion 7m gr.

(ii) Two negative impacts @ 25m ea. In each case

Impact identified 3m Discussion 22m gr (if not linked in clearly

50m

to e.g(s) 15m gr max re discussion)

Each discussion must relate to landscapes

gr. = graded i.e. a sliding scale of marks from 0 to maximum