



Coimisiún na Scrúduithe Stáit  
State Examinations Commission

**LEAVING CERTIFICATE 2009**

**MARKING SCHEME**

**GEOGRAPHY**

**HIGHER LEVEL**



## PART ONE: SHORT-ANSWER QUESTIONS - 80 MARKS

Attempt TEN questions

All Questions carry equal marks

*THESE QUESTIONS TO BE ANSWERED IN THE SPACES PROVIDED*

Any 10 questions @ 8 marks each

Each question: 4 parts @ 2 marks each

➤ No grading / scaling of marks

- |           |   |            |   |
|-----------|---|------------|---|
| <b>Q1</b> | A<br>D<br>C<br>B  | <b>Q7</b>  | A = 4<br>B = 3<br>C = 1<br>D = 2                                |
| <b>Q2</b> | Castle<br>Coniferous/Evergreen<br>T284931/O260020<br>108  | <b>Q8</b>  | C<br>A<br>D<br>B  |
| <b>Q3</b> | West to North West<br>Oblique<br>Spring/Summer/Autumn<br>Tree Cover/Low Shadows<br>Green Grass/Silage Fields / Harvesting | <b>Q9</b>  | D<br>B<br>C<br>A  |
| <b>Q4</b> | Left Background<br>Centre/Centre Middleground etc.<br>Right Centre<br>Left Foreground                                     | <b>Q10</b> | Arête<br>Cirque/Corrie/Tarn<br>Ox-bow Lake/Mort Lake<br>Meander |
| <b>Q5</b> | D<br>A<br>C<br>B  | <b>Q11</b> | 15 - 24<br>16 or 49 (49.3)<br>1 or 11 (11.4)<br>4,239,848       |
| <b>Q6</b> | A = 3<br>B = 2<br>C = 1<br>D = 4  | <b>Q12</b> | Cold Front<br>1032 mb (hectopascals (hp))<br>Strong<br>C        |

} Given in  
clockwise  
direction

**PART TWO - STRUCTURED and ESSAY QUESTIONS - 320 MARKS**

Candidates must attempt **FOUR** questions, as follows:

- **Two** questions from **Section 1**
- **One** question from **Section 2**
- **One** question from **Section 3**

***THESE QUESTIONS TO BE ANSWERED IN THE ANSWERBOOK***

**SECTION 1 - CORE**

You **MUST** attempt **TWO** questions:

**ONE** from **Patterns and Processes in the Physical Environment**  
**AND**

**ONE** from **Regional Geography**

PATTERNS AND PROCESSES IN THE PHYSICAL ENVIRONMENT

Attempt ONE question

QUESTION 1

A. ORDNANCE SURVEY EXTRACT

Examine the Ordnance Survey extract that accompanies this paper. **In your answer book**, draw a sketch-map **to half scale** of the area shown. On it, mark and identify **each** of the following:

- The complete course of The Vartry River
- Land above 100 metres south of Northing 95
- One landform created by the coastal processes of erosion
- One landform created by the coastal processes of deposition.

[20m]

Proportion: 4 marks (Graded 4-2-0)

4 features @ 4 marks each (Shown 2 marks graded, Named 2 marks)

- Proportion involves showing correct scale and coastline.
- Required size is 9cm x 12cm [Allow a difference of up to  $\frac{1}{2}$ cm]
- If sketch is traced or a section of the map is drawn, lose 4 marks for proportion
- If land over 100 metres north of Northing only is shown = 0 marks
- If land over 100 metres on all of the map is shown allow half marks for that feature

## B. PLATE MARGINS

Explain, with reference to examples you have studied, how plate tectonics helps us understand the forces at work along crustal plate boundaries.

[30m]

Name two forces:	2 marks + 2 marks
Name examples of different boundaries:	2 marks + 2 marks
Discussion:	11 x SRPs

- Credit 1 named example from SRPs.
- Give credit to relevant diagrams for a max of 1 x SRPs and credit extra annotated information on diagrams.

## C. LANDFORM DEVELOPMENT

Examine, with the aid of labelled diagram/diagrams, the processes which have shaped **one** Irish landform of your choice.

[30m]

Landform identified:	2 marks
One named process:	2 marks
Irish example:	2 marks
Labelled diagram:	4 marks graded
Examination:	10 x SRPs

- Give credit for 1 SRP for diagram without annotation.
- Give credit for extra labelling in diagram from Examination SRPs
- Feature or process can be starting point.
- If description only -2 x SRPs max

## QUESTION 2

### A CRUSTAL PLATES

Examine the map above, showing the major crustal plates of the Earth. **In your answer book** answer the following:

- (i) Name the volcanic island at **L**.
- (ii) Which term constructive or destructive best describes the plate boundary **M**?
- (iii) Name the plate at **N**.
- (iv) Which of the following statements is **False**?
  - O.** As the plates move apart (very slowly) magma rises from the mantle.
  - P.** Convection currents inside the Earth cause the earth's plates to move apart.
  - Q.** The North American Plate moves eastwards.
  - R.** Volcanoes often form at plate boundaries.

[20m]

Four answers @ 5 marks each

- No grading / scaling of marks

- (i) **L** = Iceland
- (ii) **M** = Constructive
- (iii) **N** = Eurasian Plate
- (iv) **Q** The North American Plate moves eastwards.

### B. ROCKS

Examine, with reference to examples from Ireland, the formation of sedimentary rocks.

[30m]

Name two sedimentary rocks: 2 + 2 marks  
Name two associated Irish locations: 2 + 2 marks  
Examination: 11 x SRPs

- Give credit for 1 SRP for diagram without annotation.
- Give credit for extra labelling in diagram from Examination SRPs.
- Allow treatment of up to 3 rocks in examination.
- At least 3 SRPs for treatment of second sedimentary rock
- If description only -2 x SRPs max

### C. HUMAN INTERACTION

Discuss, with reference to **one** of the following, how humans interact with the rock cycle:

- Mining
- Extraction of building materials
- Oil / Gas exploitation
- Geothermal energy production.

**[30m]**

Interaction identified: 2 marks  
Discussion: 14 x SRPs

- Give credit for up to two examples of location.



## QUESTION 3

### A. THE ROCK CYCLE

Examine the diagram and answer the following **in your answer book**:

- (i) Identify the rock group found at **A**.
- (ii) Name **one** example of a rock within the rock group named in part (i).
- (iii) Identify the rock group found at **B**.
- (iv) Name **one** igneous rock formed **below** the earth's surface.

[20m]

Four answers @ 5 marks each  
No grading / scaling of marks.

- (i) **A** = Sedimentary
- (ii) Any valid example
- (iii) **B** = Metamorphic
- (iv) Granite / or any other intrusive igneous rock

### B. LANDFORM DEVELOPMENT

Isostatic processes involve adjustments to the balance between land and sea. Discuss how these processes have shaped the Irish landscape over time.

[30m]

Name one feature	2 marks
Name one Irish example:	2 marks
Discussion:	13 x SRPs

- Accept river features of rejuvenation and coastal features.
- Allow reference to one more named feature as SRPs.
- Give credit for 1 SRP for diagram without annotation.
- Give credit for extra labelling on diagram from discussion SRPs.

### C. HUMAN INTERACTION

Examine, with reference to **one** of the following, how human activities can impact on surface processes:

- Mass movement processes
- River processes
- Coastal processes.

**[30m]**

Impact identified:	2 marks
Named Example:	2 marks
Reference to surface processes:	2 marks
Discussion:	12 x SRPs

- Mere discussion without reference to impact = Max 6 xSRPs
- Credit 2<sup>nd</sup> example from discussion
- Examples not tied to Ireland
- Amalgamate all relevant discussion

## REGIONAL GEOGRAPHY

Attempt ONE question

### QUESTION 4

#### A. THE CONCEPT OF REGION

Examine the pie-charts above that represent a Core Region and a Peripheral Region. Answer the following questions **in your answer book**:

- (i) Identify which chart **A** or **B** represents a Core Region.
- (ii) State **one** example within Europe of a Peripheral Region.
- (iii) Define **one** characteristic that determines a region as a Core Region.
- (iv) Define **one** characteristic that determines a region as a Peripheral Region.

[20m]

Four answers @ 5 marks each

➤ No grading / scaling of marks.

- |       |                                  |
|-------|----------------------------------|
| (i)   | <b>A</b>                         |
| (ii)  | Any valid <b>European</b> region |
| (iii) | Any valid characteristic         |
| (iv)  | Any valid characteristic         |

#### B. PRIMARY ECONOMIC ACTIVITIES

Describe and explain any **two** physical factors that have influenced the development of agriculture in an **Irish Region** that you have studied.

[30m]

Region named:	2 marks
Two named physical factors:	2 marks + 2 marks
Examination:	12 x SRPs (6 x SRPs for each factor)

- Do not accept European or Continental/Sub-continental regions.
- Do not accept Ireland (the whole of) as a region.
- Discussion without reference to appropriate region = 0 marks.
- Discussion without reference to appropriate factor = 0 marks.
- Credit 1 named location per factor as an SRP from examination.

### C. HUMAN PROCESSES

Examine how the distribution of population, in a **European Region [not Ireland]** that you have studied, has been influenced by the region's level of economic development.

[30m]

Named region:	2 marks
Reference to distribution of population:	2 marks
Reference to associated economic development:	2 marks
Discussion:	12 x SRPs

- Do not accept Irish or Continental/Sub-Continental regions
- Discussion without link to a named region - 0 marks
- Max 6 xSRPs for discussion without reference to distribution.
- Max 6 x SRPs for discussion without reference to economic development.

## QUESTION 5

### A. IRISH REGIONS

In your answer book draw an outline map of **Ireland**. Show and name the following on it:

- (i) **Two** contrasting regions.
- (ii) **Two** different physical landscape features – one in **each region**.
- (iii) **Two** urban centres – one in **each region**.

[20m]

Map outline:	2 marks graded
Showing and naming region:	2 x (2 marks graded + 1 mark)
Showing and naming physical features:	2 x (2 marks graded + 1 mark)
Showing and naming urban centres:	2 x (2 marks graded + 1 mark)

- If both physical features or urban centres are from the same region accept one only.

### B. EUROPEAN UNION

Describe and explain **two** impacts on Ireland of the enlargement of the European Union.

[30m]

Impacts identified:	2 + 2 marks
Examination:	13 x SRPs (7/6 x SRPs for each impact)

- Discussion without reference to Ireland = 0 marks.
- Discussion without reference to enlargement - max 6 x SRPs.

### C. TERTIARY ECONOMIC ACTIVITY

Account for the development of **one** tertiary economic activity in any **one Continental / Sub-Continental Region** that you have studied.

[30m]

Region named:	2 marks
Named tertiary activity:	2 marks
Examination:	13 x SRPs

- Do not accept Irish or European regions.
- Discussion without reference to appropriate region = 0 marks.
- If more than one tertiary activity is given, mark both separately and accept the best.
- Allow up to 3 SRPs for reference to specific examples or locations related to named activity.

## QUESTION 6

### A. CONTINENTAL / SUB-CONTINENTAL REGION

In your answer book draw an outline map of a **Continental / Sub-Continental Region**. Show and name the following on it:

- (i) **Two** physical landscape features.
- (ii) **Two** urban centres.

[20m]

Map outline:	4 marks graded
Showing and naming physical features:	2 x (2 marks graded + 2 marks)
Showing and naming urban centres:	2 x (2 marks graded + 2 marks)

### B. URBAN GROWTH

Examine the development of **one** urban area in a **European region [not Ireland]** that you have studied.

[30m]

Region named:	2 marks
Urban area named:	2 marks
Examination:	13 x SRPs

- Do not accept Irish or Continental/Sub-Continental regions.
- Discussion without reference to named or clearly inferred urban area = 0 marks.
- Mere description - max 6 x SRPs.
- An urban area can be a city, a specific part of a named city, or areas such as Randstad.

### C. SECONDARY ECONOMIC ACTIVITY

Describe and explain the development of secondary economic activities in an **Irish Region** that you have studied.

[30m]

Region named: 2 marks  
Two named secondary activities: 2 marks + 2 marks  
Examination: 12 x SRPs

- Do not accept European or continental/sub-continental regions
- Discussion without link to a region - 0 marks
- If only one activity named candidate loses the 2 marks for naming a second activity only.
- Give credit for 3<sup>rd</sup> activity as 1 SRP from examination.



*SECTION 2 - ELECTIVES*

You **MUST** attempt **ONE** question

From **EITHER**

- **Patterns and Processes in Economic Activities**

**OR**

- **Patterns and Processes in the Human Environment**

Patterns and Processes in Economic Activities

Attempt ONE question

**QUESTION 7**

**A. ENERGY IN IRELAND**

Examine the data in the table showing Ireland's percentage share of energy requirements by selected sector for 1990 & 2006.

Using **graph paper**, draw a suitable graph to illustrate this data.

[20m]

	<u>Bar Chart</u>	<u>Pie Chart</u>
Title:	2 marks	2 marks
Scaled axis:	2 marks	2 marks (Circle & Centred)
8 items illustrated:	2 marks each graded	2 marks each graded

**If graph paper is not used deduct 2 marks from total.**

- Accept bar chart / histogram / pie chart / divided rectangle / trend graph etc.
- Two pie charts must be presented for full marks.
- Naming of chart type not sufficient for title mark.

**B. ORDNANCE SURVEY**

Examine the Ordnance Survey extract that accompanies this paper. Using map evidence to support your answer, state and explain **three** reasons why the industrial estate is located at grid reference **T 285 955**.

[30m]

3 reasons @10 marks each:

Reason identified:	2 marks
Map reference:	2 marks
Examination:	3 x SRPs

- Examination must be based on relevant explanation rather than on further map references
- If answer is based on aerial photograph, allow marks for naming reason only.
- Accept a max of 2 reasons on transport.
- Accept any location on the map providing the reason is related to the site.

### C. DEVELOPING ECONOMIES

Examine the impact of colonialism on a developing economy that you have studied.

**[30m]**

Impact identified:	2 marks
Named Developing Economy:	2 marks
Examination:	13 x SRPs

- Discussion without reference to colonialism - max 6 x SRPs.
- Discussion without reference to named developing economy - max 6 x SRPs.
- Give credit for 2 further impacts as SRPs from examination.

## QUESTION 8

### A. HUMAN DEVELOPMENT INDEX

Refer to the table and answer the following questions **in your answer book**:

- (i) Which country had the lowest HDI in 2005?
- (ii) Which country had the greatest change in its HDI since 1975?
- (iii) Adult Literacy rate and the GDP are two indicators used to assess the HDI. What is the third indicator?
- (iv) What does the term GDP stand for?

[20m]

4 answers @ 5 marks each

- (i) Mali
- (ii) China
- (iii) Life expectancy
- (iv) Gross Domestic Product

### B. MULTINATIONAL COMPANIES

Examine the mobility of modern economic activities referring to **one** Multinational Company (MNC) that you have studied.

[30m]

Naming MNC:	2 marks
Naming two mobility factors:	2 marks + 2 marks
Examination:	12 x SRPs

- Discussion without link to a named MNC - max 6 x SRPs.
- Discussion with no obvious reference to mobility of modern economic activities - max 6 x SRPs.
- Give credit for 3 locations as SRPs from examination.
- Locations must refer to at least 2 countries.

### C. ENVIRONMENTAL IMPACT

Describe and explain the impact of the burning of fossil fuels on the environment.

**[30m]**

Environmental impact named:	2 marks
Examples of two fossil fuels named:	2 marks + 2 marks
Discussion:	12 x SRPs

- Discussion must refer to the environmental impact.
- Credit a max of 3 x SRPs for economic references.

## QUESTION 9

### A. AERIAL PHOTOGRAPH

Examine the aerial photograph of Wicklow that accompanies this paper. Draw a sketch map **half the length** and **half the breadth**. On it show and name examples of the following which would make the area an attractive location for industry:

- Two different modes of **Transport**
- Suitable **Site** for a ship building industry
- A new **Residential** development.

[20m]

Outline: 4 marks graded.

Each of attractions: 4 x (Shown 2 marks graded, Named 2 marks)

- Required size is 10.2cm x 9.5 cm [Allow a difference of up to  $\frac{1}{2}$ cm]

### B. ECONOMIC AND ENVIRONMENTAL INTERESTS

Conflict may develop between economic interests and environmental interests. Examine this conflict with reference to **one** example you have studied.

[30m]

Conflict identified: 2 marks

Reference to one example: 2 marks

Examination: 13 x SRPs

- Discussion of one side of the argument only - 6 x SRPs max
- A second conflict may be credited from the SRPs
- Example can refer to region / conflict.

## C. EUROPEAN UNION

Examine the importance of any **one** of the following to the development of the Irish economy:

- Common Agricultural Policy
- Common Fisheries Policy
- Regional Development Funds
- Social Funding.

**[30m]**

Importance to the Irish economy:            2 marks + 2 marks  
Examination:                                    13 x SRPs

- Discussion without link to Irish economy - 6 x SRPs max
- Amalgamate all relevant discussion points.
- More than 1 policy discussed - mark both and credit the better.

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Attempt ONE question

**QUESTION 10**

**A. BIRTH RATES**

Using the above map as a reference answer the following questions in your answer book:

- (i) What is The Netherland's birth rate for 2007?
- (ii) What is Switzerland's birth rate for 2007?
- (iii) Identify one social factor that influences the birth rate.
- (iv) Define the term *Mortality Rate*.

[20m]

Four answers @ 5 marks each

- |       |                                       |                     |
|-------|---------------------------------------|---------------------|
| (i)   | 11 per thousand or 1.1%               | [2 marks + 3 marks] |
| (ii)  | 10 per thousand or 1.0%               | [2 marks + 3 marks] |
| (iii) | Any valid factor                      | [5 marks]           |
| (iv)  | Death Rate per thousand of population | [2 marks + 3 marks] |

**B. SETTLEMENT PATTERNS**

Examine the Ordnance Survey extract that accompanies this paper. Using map evidence to support your answer, identify and explain **three** patterns of **rural** settlement.

[30m]

3 patterns @10 marks each:

- |                     |          |
|---------------------|----------|
| Pattern identified: | 2 marks  |
| Map reference:      | 2 marks  |
| Examination:        | 3 x SRPs |

- Examination must be based on relevant explanation rather than on further map references
- If answer is based on aerial photograph, allow marks for naming pattern only.



## C. DYNAMICS OF SETTLEMENT

With reference to **one** Irish urban centre that you have studied, examine how its functions change over time.

[30m]

Named Irish urban centre:	2 marks
Two named functions:	2 + 2 marks
Examination:	12 x SRPs

- Discussion without link to **Irish** urban centre = 0 marks
- Discussion without reference to time - 6 x SRPs
- Credit 1 extra function as an SRP from examination.

## QUESTION 11

### A. URBANISATION

The table shows the percentage of urban population in selected regions for 1975 and the predicted percentage of urban population in selected regions for 2015.

Using **graph paper**, draw a suitable graph to illustrate this data.

[20m]

	<u>Bar Chart</u>	<u>Pie Chart</u>
Title:	2 marks	2 marks
Scaled axis:	2 marks	2 marks (Circle & Centred)
8 items illustrated:	2 marks each graded	2 marks each graded

**If graph paper is not used deduct 2 marks from total.**

- Accept bar chart / histogram / pie chart / divided rectangle / trend graph etc.
- Two pie charts must be presented for full marks.
- Naming of chart type not sufficient for title mark.

### B. PROBLEMS IN CITIES

With reference to **one** example you have studied, examine the effectiveness of urban planning strategies in dealing with urban problems.

[30m]

Two named strategies:	2 + 2 marks
Two named urban problems:	2 + 2 marks
Examination:	11 x SRPs

- Allow a named urban area as one SRP from the examination
- Max 5 SRPs if not related to 'effectiveness'

### C. OVER-POPULATION

- (i) Explain the term *over-population*.
- (ii) Examine two causes of over-population in **one** area you have studied.

[30m]

- (i) Explanation: 4 marks graded (4 - 2 - 0)
- (ii) Named Area: 2 marks  
Two named causes 2 marks + 2 marks  
Examination: 10 x SRPs (5 x SRPs per cause)

- Explanation of over-population should refer to population numbers and to natural resources
- Examination without reference to named area - 5 x SRPs max.
- Allow for transfer of information from part (i) to part (ii).

## QUESTION 12

### A. AERIAL PHOTOGRAPH

Examine the aerial photograph of Wicklow that accompanies this paper. Draw a sketch map **half the length** and **half the breadth**. On it show and name the following:

- A new **housing development**
- An area of **water-based recreation**
- A **bridge**
- A **church**.

[20m]

Outline: 4 marks graded  
Each of 4 land-uses: Shown 2 marks graded, Named 2 marks

- Outline refers to coastline & dimensions
- Required size is 10.2cm x 9.5 cm [Allow a difference of up to  $\frac{1}{2}$ cm]

### B. MIGRATION

With reference to examples you have studied, examine **two** impacts of rural to urban migration.

[30m]

Two impacts named: 2 + 2 marks  
One migration named: 2 marks  
Examination: 12 x SRPs (6 x SRPs per impact)

- Credit 1 further named migration as SRP from examination.

### C. URBAN LAND-USE

With reference to **one** example you have studied, describe and explain changing land-use in urban areas.

[30m]

Two changing land uses identified: 2 + 2 marks  
Discussion: 13 x SRPs.

- Discussion without reference to change / time 6 x SRPs.
- Credit a named location as an SRP from examination once.

### SECTION 3 - OPTIONS

Attempt ONE question

*N.B. It is better to treat of three or four aspects of the theme in some detail, rather than to give a superficial treatment of a large number of points.*

## Global Interdependence

13. Discuss the role played by Non-Governmental Organisations (NGOs) in the ‘aid debate’.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6 x SRPs
		4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

14. We live in an interdependent global economy. Actions or decisions taken in one area have an impact on other areas. Discuss.

**[80m]**

Number of aspects	3(27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6 x SRPs
		4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

15. Fair trade supports sustainable development. Discuss.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6 x SRPs
		4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects).

## Geoecology

- 16.** With reference to **one** soil type you have studied, examine how parent material, climate and organic matter influence the soil.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect	4 marks	4 marks
Examination:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6 x SRPs 4 marks graded

- Select scheme according to number of aspects examined.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)
- Accept named soil type as one SRP once

- 17.** Discuss how human activities can accelerate soil erosion.

**[80m]**

Number of aspect :	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect :	4 marks	4 marks
Discussion:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6 x SRPs 4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

- 18.** Assess how biomes have been altered by human activity.

**[80m]**

Number of aspect:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Examination:	8 x SRPs	OR
Overall coherence:	7/6 marks graded	6x SRPs 4 marks graded

- Select scheme according to number of aspects examined.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects).
- Accept two named biome as two SRPs.
- Examination can refer to one or more biomes.



## Culture and Identity

19. Cultural identity is defined by many diverse factors. Discuss this statement with reference to **one** case study of a European region you have studied.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR 6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)
- Accept named region as one SRP once
- Discussion must refer to at least 3 different factors

20. Conflicts exist between political structures and cultural groups. Discuss this statement with reference to examples you have studied.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR 6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

21. Discuss how people express their culture and identity in everyday life.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR 6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

## The Atmosphere-Ocean Environment

22. Give an explanatory account of any **one** global climate you have studied.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Examination:	8 x SRPs	OR
		6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects examined.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)
- Accept named climate for one SRP once
- At least two aspects must deal with cause of climate

23. Explain why temperatures vary greatly over the surface of the earth.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR
		6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects dealt with (2:1/1:2/2:2)
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

24. Climate influences economic development. Discuss this statement with reference to examples you have studied.

**[80m]**

Number of aspects:	3 (27 + 27 + 26)	(4 @ 20 marks each)
Identifying aspect:	4 marks	4 marks
Discussion:	8 x SRPs	OR
		6 x SRPs
Overall coherence:	7/6 marks graded	4 marks graded

- Select scheme according to number of aspects discussed.
- Allow credit for up to 2 examples from SRPs (Different examples & in different aspects)

## GEOGRAPHICAL INVESTIGATION

### 1 INTRODUCTION (5 marks):

4 x SRPs: 1 mark each  
Overall Coherence: 1 mark graded

### 2 PLANNING (5 marks):

4 x SRPs: 1 mark each  
Overall Coherence: 1 mark graded

### 3 GATHERING OF DATA (40 marks):

Two methods @ 20 marks each.

For each method: 9 x SRPs @ 2 marks each  
Overall coherence: 4 marks graded

- A method may be a task which is a group of relevant linked activities.
- Credit may be given to diagrams / sketches if they relate to the gathering.
- Do not award marks for results in this written section.

### 4 RESULTS, CONCLUSIONS, EVALUATION (30 marks):

Three heading @ 8 marks each.

For each heading: 4 x SRPs @ 2 marks each  
Overall coherence: 6 marks graded

- Conclusions are based directly or indirectly on the results, otherwise it's evaluation.
- Evaluation can be forward-thinking as well as retrospective.

### 5 ORGANISATION & PRESENTATION OF RESULTS (20 marks):

Presentation: 8 x SRPs @ 2 marks each  
Overall coherence: 4 marks graded.

- Two different graphic forms of presentation required - such as graphs / charts / maps / tables / sketches etc.
- Presentation to appear in the appropriate graph pages.
- Maximum of 4 x SRPs per chart.

## BREAKDOWN OF PRESENTATION MARKS

### General scheme:

Up to 4 x SRPs per chart / map / table / sketch etc

Overall coherence: 4 marks graded

### BAR CHART / TREND GRAPH / SCATTER GRAPH etc:

Title:	1 SRP=2marks
1 axis with units or scale:	1 SRP=2 marks
Each of 2 correctly drawn & labelled points / bars:	2 x SRP = 4 marks

### PIE CHART:

Title:	1 SRP=2marks
Circle with correctly placed centre:	1SRP=2 marks
Each of 2 correctly drawn & labelled sectors:	2 x SRP = 4 marks

### RANK ORDER TABLE / TABLE:

Title:	1 SRP = 2 marks
Boxes:	1 SRP = 2 marks
Rows (across) labelled:	1 SRP = 2 marks
Columns (side) labelled:	1 SRP = 2 marks

### SKETCH/MAP:

Title:	1 SRP = 2 marks
Frame & Sketch:	1 SRP = 2 marks
Two relevant pieces of information re results:	2 x SRP= 4 marks

- If information not relevant to results, no SRPs for it.

## List of Geographical Investigation Topics 2009

1. Geomorphic processes of transportation and/or deposition in a fluvial or coastal or glaciated environment.
2. Geomorphic surface processes in a karst environment.
3. A study of a local environmental issue.
4. A study of changing land-use in a rural or urban setting.
5. Development of a local transport infrastructure.
6. A study of population trends in a local area.

**N. B. Each candidate is required to complete a report on one of the above Investigation Topics.**

## Scrúdu na hArdteistiméireachta

### Marcanna breise as ucht fregairt trí Ghaeilge

Táible a léiríonn an méid marcanna breise ar choir a bhronnadh ar iarrthóirí a ghnóthaíonn thar 75% d'iomlán na marcanna atá ag dul don ábhar.

**N.B.** Ba choir marcanna do réir an ghnáth-ráta a bhronnadh ar iarrthóirí nach ngnóthaíonn thar 75% d'iomlán na marcanna.

**Iomlán** = 400 marks

**Gnáthráta** = 10%

Marcanna a bronnadh	Marcanna breise	Marcanna a bronnadh	Marcanna Breise
301	30	352 – 355	14
302 – 305	29	356 – 358	14
306 – 308	28	359 – 361	12
309 – 311	27	362 – 356	11
312 – 315	26	366 – 368	10
316 – 318	25	369 – 371	9
319 – 321	24	372 – 375	8
322 – 325	23	376 – 378	7
326 – 328	22	379 – 381	6
329 – 331	21	382 – 385	5
332 – 335	20	386 – 388	4
336 – 338	19	389 – 391	3
339 – 341	18	392 – 395	2
342 – 345	17	396 – 398	1
346 – 348	16	399 – 400	0
349 – 351	15		

**Geographical Investigation – Not included in total for bonus marks**



