



Coimisiún na Scrúduithe Stáit
State Examinations Commission

LEAVING CERTIFICATE 2010

MARKING SCHEME

GEOGRAPHY

HIGHER LEVEL

PART ONE – SHORT-ANSWER QUESTIONS – 80 MARKS

Attempt **TEN** questions.

All Questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

Any 10 questions @ 8 marks each.

Each question:

4 parts @ 2 marks each

8 parts @ 1 mark each

➤ No grading / scaling of marks

- | | | | |
|-----------|--|------------|--|
| Q1 | B
D
C
A | Q7 | A = 8
B = 1
C = 9
D = 2
E = 7
F = 3
G = 4
H = 6
I = 5 |
| Q2 | (i) County Boundary / Coniferous
Plantation / Natural Woodland /
Mixed Woodland / Forest Park
(ii) South Leinster Way
(iii) S 401(2) 289/290(1)(2)
(iv) Megalithic Tomb & Ogham Stone
(v) S 406(7) 220
(vi) River Suir & Glen River | Q8 | Left Background
Left Foreground
Right Foreground
Centre Background / Centre
Middleground / Centre Centre |
| Q3 | D
A
B
C | Q9 | (i) Basalt
Granite
(ii) 1
2 |
| Q4 | (i) River Suir
(ii) Old Bridge & Dillon Bridge
(iii) S 408 215 | Q10 | C
A
D
B |
| Q5 | (i) 161
(ii) Cirque/Corrie/Tarn/Coom/Ribbon
(iii) Arête
(iv) North Eastwards | Q11 | (i) 100.5
(ii) 54.2
(iii) Aquaculture
(iv) Plankton |
| Q6 | (i) Anticyclone
(ii) Isobar
(iii) 1012 mb / hectopascals (hPa)
(iv) Calm dry weather with warm
temperature | Q12 | (i) 25-29
(ii) 7.0
(iii) 11.7
(iv) 2.8% |

PART TWO – STRUCTURED and ESSAY QUESTIONS – 320 MARKS

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

- **TWO** questions from **Section 1**:
 - **One** question from Questions 1, 2 and 3
 - AND**
 - **One** question from Questions 4, 5 and 6
- **ONE** question from **Section 2**
- **ONE** question from **Section 3**

THESE QUESTIONS ARE TO BE ANSWERED IN THE ANSWER BOOK

SECTION 1 – CORE

Questions 1 to 6

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

Questions 1 to 3

Attempt **ONE** question

Question 1

A. Ordnance Survey Map

Examine the Ordnance Survey map that accompanies this paper.

In your answer book, draw a sketch-map **to half scale** of the area shown. On it, mark and name **each** of the following:

- One landform created by the processes of river deposition
- A V-Shaped river valley
- An area with a trellised drainage pattern
- The complete course of the Glen River.

[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
- 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 & 2 marks for showing per item

B. Landform Development

Answer (i) or (ii)

- (i) Examine, with the aid of a labelled diagram or diagrams, the processes that have led to the formation of any **one** Irish landform of erosion **or** deposition of your choice.

Landform identified:	2 marks
Named process:	2 marks
Irish example:	2 marks
Labelled diagram:	2 marks + 2 marks
Examination:	10 x SRPs (Significant Relevant Point = 2 marks)

- Give credit for labelling in diagram from examination
- Feature **or** process can be starting point
- Max 2 SRP's if description only

OR

- (ii) Describe and explain **one** mass movement process that you have studied.

[30m]

Mass Movement identified:	2 marks
Examination:	14 x SRPs

- Give credit for 2 SRPs for examples provided
- Give credit for labelling in diagram from examination
- Give credit for 1 SRP for diagram without annotation
- Max 2 SRPs for effects / solutions
- Accept a broad interpretation of describe / explain

C. Rocks

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

[30m]

Name two metamorphic rocks: 2 + 2 marks

Name two associated Irish locations: 2 + 2 marks

Examination: 11 x SRPs

- Give credit for labelling in diagram from examination
- Give credit for 1 SRP for diagram without annotation
- Give credit for 3rd named metamorphic rock
- Max 2 SRPs if description only

Question 2

A. Karst Landscape



Examine the photograph and answer the following questions in your answer book:

- (i) What is the name of the feature marked **A**?
- (ii) What is the name of the feature marked **B**?
- (iii) What is the name of the overall feature in the photograph?
- (iv) Name **one** process which helped to form these features.
- (v) Name the type of rock most associated with these features.

[20m]

Five answers @ 4 marks each

- (i) **A** = Clint
- (ii) **B** = Grike
- (iii) Limestone Pavement
- (iv) Any valid process
- (v) Limestone

B. Folding

Explain how the study of plate tectonics has helped us to understand the global distribution of Fold Mountains.

[30m]

Reference to global distribution:	2 marks + 2 marks
2 named Fold Mountains:	2 marks + 2 marks
Plate tectonics examined:	11 x SRPs

- Max 6 SRPs if examination is of plate tectonics with no reference to Fold Mountains
- Give credit to relevant information on diagrams

C. Human Interaction

Humans interact with the rock cycle in many ways. Discuss this with reference to any **one** human interaction you have studied.

[30m]

Interaction identified:	2 marks
Example:	2 marks
Discussion:	13 x SRPs

- Allow 1 SRP for a 2nd example within discussion
- Question is not tied to Ireland

Question 3

A. Earthquakes



Examine the map above relating to the earthquake in Haiti in January 2010 and answer the following questions in your answer book:

- Activity along which **two** plates resulted in the earthquake in Haiti?
- What type of fault caused the earthquake?
- Describe the fault responsible for the earthquake.
- What tectonic activity along the subduction zone created the island arc on the map?

[20m]

Four answers @ 5 marks each:

- | | | |
|-------|-------------------|---|
| (i) | 3 marks + 2 marks | North American Plate / Caribbean Plate |
| (ii) | 5 marks | Transform / Transverse / Tear / Passive / Neutral |
| (iii) | 3 marks + 2 marks | Any valid description |
| (iv) | 5 marks | Volcanic Activity / Rock Melting etc. |

B. Human Interaction

With reference to an example you have studied, describe and account for **one** way in which humans attempt to influence or control natural processes. In your answer, refer to **one** of the following:

- Fluvial processes
- Marine processes
- Mass movement.

[30m]

Influence / Control identified:	2 marks
Named Example / Location:	2 marks
Reference to natural process:	2 marks
Discussion:	12 x SRPs

- Max 6 SRPs for discussion without reference to influence or control
- Question not tied to Ireland
- Amalgamate all relevant discussion

C. Karst Landscape

With reference to the Irish landscape, examine the processes which have influenced the development of any **one underground** landform in a karst region.

[30m]

Named process:	2 marks
Underground landform identified:	2 marks
Irish example:	2 marks
Discussion:	12 x SRPs

- Max 2 SRPs if description only
- Give credit for labelling on diagrams from discussion
- Credit 1 SRP for diagram without annotation

REGIONAL GEOGRAPHY

Questions 4 to 6

Attempt **ONE** question

Question 4

A. Irish Regions

In your answer book, draw an outline map of **Ireland**. On it show and name the following:

- (i) **Two** Irish regions you have studied
- (ii) **One** urban centre in **each** region
- (iii) **One** feature of the physical landscape in **each** region.

[20m]

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

B. Economic Activities

Examine the factors that influence the development of **one** tertiary economic activity in a **European region (not in Ireland)** that you have studied.

[30m]

Named tertiary economic activity:	2 marks
Two factors identified:	2 marks + 2marks
Region named:	2 marks
Examination:	11 x SRPs

- Do not accept Irish or Continental/Sub-Continental regions
- Discussion without reference to a named or clearly inferred region = 0 marks
- All further factors require discussion

C. Culture

Describe and explain the importance of culture in defining **any region** studied by you.

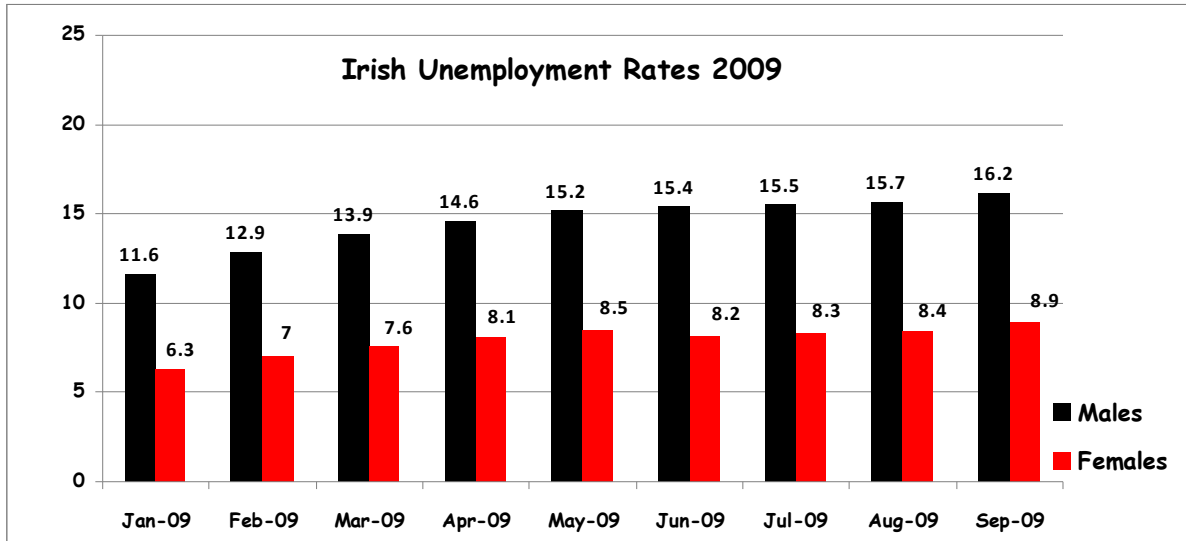
[30m]

Region Named: 2 marks
Aspect of culture identified: 2 marks
Explanation: 13 x SRPs

- Other aspects of culture may be credited from the SRPs
- Accept a broad definition of culture

Question 5

A. Irish Unemployment



Examine the data in the chart above which shows the monthly unemployment rates in Ireland and answer the following questions:

- (i) By how much has the male unemployment rate increased from January to September?
- (ii) By how much has the female unemployment rate increased from January to September?
- (iii) What is the difference between the total male and total female unemployment rate from January to September?
- (iv) In which month was the difference between the male and female unemployment rates greatest?
- (v) Briefly explain **one** reason why the percentage increase in unemployment for males was greater than the percentage increase for females.

[20m]

Five answers @ 4 marks each:

- (i) 4.6
- (ii) 2.6
- (iii) 59.7 / 12.6 / 2.0 / 7.2
- (iv) August or September
- (v) Any valid explanation (2 marks + 2 marks)

B. Urban Regions

Examine the development of **one** urban area in any **Irish region** studied by you.

[30m]

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

- Do not accept European or Continental/Sub-Continental regions
- Discussion without reference to a named or clearly inferred urban area = 0 marks
- Development can be positive / negative

C. Agriculture

Describe and explain any **two** factors that influence the development of agriculture in a non-European **Continental / Sub-Continental Region** that you have studied.

[30m]

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

- Do not accept Irish or European regions
- Discussion without reference to appropriate region = 0 marks

Question 6

A. European Regions

In your answer book, draw an outline map of a **European Region (not in Ireland)** that you have studied.

On it show and name the following:

- (i) Any **two** physical features in the region
- (ii) Any **two** urban centres in the region.

[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. Irish Regions

Regions can be defined by many factors including:

- Economic
- Human
- Physical.

Explain how any **one** of the above factors has defined an **Irish Region** studied by you.

[30m]

Region named:	2 marks
Examination:	14 x SRPs

- Do not accept European or Continental/Sub-Continental regions
- Max 2 SRPs for mere listing of aspects of factor (heading) chosen

C. **European Regions**

Describe and explain any **two** factors that influence the development of secondary economic activities in a **European Region (not in Ireland)** that you have studied.

[30m]

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

- Do not accept Irish or Continental/Sub-Continental regions
- Discussion without reference to appropriate or clearly inferred region = 0 marks

SECTION 2 – ELECTIVES

Questions 7 to 12

You **MUST** attempt **ONE** question from **EITHER**

Patterns and Processes in Economic Activities

OR

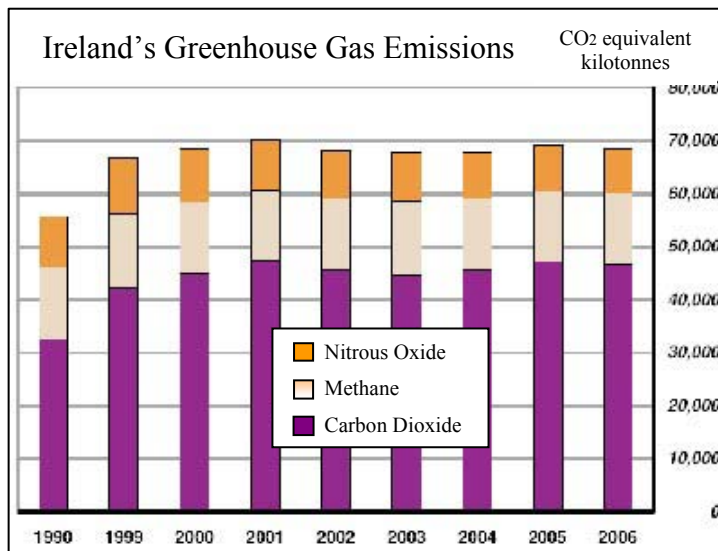
Patterns and Processes in the Human Environment

PATTERNS AND PROCESSES IN ECONOMIC ACTIVITIES

Questions 7 to 9

Question 7

A. Environmental Impact



Examine the graph above and answer the following questions in your answer book:

- Which Greenhouse gas makes up most of Ireland's gas emissions?
- In which year did Ireland emit 70,000 kilotonnes of greenhouse gas emissions?
- What was the trend in Ireland's emissions between 1990 and 2001?
- Explain **one** reason why Ireland should reduce its Greenhouse gas emissions.

[20m]

Four answers @ 5 marks each:

- Carbon Dioxide
- 2001
- Increasing / Rising / Growing / Upward
- Any valid explanation (3 marks + 2 marks)

B. Multinational Companies

Examine the aerial photograph and the Ordnance Survey map accompanying this paper. Using evidence from the Ordnance Survey map **and** the aerial photograph, explain **three** reasons why Carrick-on-Suir would be a suitable location for a multinational company.

[30m]

3 reasons @ 10 marks each:

Reason identified:	2 marks
Map / Photograph evidence:	2 marks
Examination:	3 x SRPs

- A minimum of 1 reference to the Ordnance Survey map and 1 reference to the aerial photograph is required as evidence
- Accept a max of 2 reasons on modes of transport

C. Globalisation

Explain the effects of globalisation on the economy of a developing country that you have studied.

[30m]

Named Developing Country:	2 marks
Effects identified:	2 marks + 2 marks
Examination:	12 x SRPs

- Max 2 SRPs for discussion without reference to globalisation
- Max 2 SRPs for discussion without reference to named developing country
- Accept positive / negative effects of globalisation
- Credit a 3rd effect from within examination

Question 8**A. Economic Development****Human Development Index (HDI)**

Country	HDI
Norway	0.97
Ireland	0.92
Egypt	0.70
India	0.61
Zambia	0.48
Niger	0.34

Examine the data in the above table showing the HDI for a number of countries in 2007.

- (i) Use **graph paper** to draw a suitable graph to illustrate this data.

	Bar Chart	Pie Chart
Title:	2 marks	2 marks
Scaled axis:	2 marks	2 marks (Circle & Centred)
6 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
- Naming of chart type not sufficient for title mark.

- (ii) Literacy levels is one of the indicators used to calculate the HDI.
In your answer book name **two** other indicators used.

Any two appropriate indicators @ 2 marks each

[20m]

B. Developed Economy

Explain the growth of any **one** developed economy you have studied under one or more of the following headings:

- Financial services
- Tourism
- Industrial decline.

[30m]

Developed economy named: 2 marks
Examination: 14 x SRPs

- Max 7 SRPs for discussion without reference to growth
- Max 7 SRPs for discussion without reference to at least one heading

C. Conflicts of Interest

Examine how conflict can arise between local interests and global interests when a resource is exploited for economic reasons.

In your answer refer to an example of such conflict that you have studied.

[30m]

Conflict identified: 2 marks
Resource identified: 2 marks
Reference to one example: 2 marks
Examination: 12 x SRPs

- A second conflict may be credited from the examination SRPs
- Example can refer to region / conflict
- Max 6 SRPs for discussion to one side of the argument only
- Max 6 SRPs for discussion without reference to economic reason

Question 9

A. Ordnance Survey Map and the Transport Network

Examine the Ordnance Survey map that accompanies this paper.

In your answer book, draw a sketch-map **to half scale** of the area shown. On it, show and name the following:

- Built-up area of Carrick-on-Suir
- N24 road
- R697 road
- Railway line.

[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
- 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 & 2 marks for showing per item

B. European Union Policy

Examine how any **one** major policy of the European Union has influenced Ireland's economic development.

[30m]

Major European policy named: 2 marks

Influence to Ireland's economic development: 2 marks

Examination: 13 x SRPs

- Max 2 SRPs for discussion without link to Irish economy
- Amalgamate all relevant discussion points
- More than 1 policy discussed - mark both and credit the best
- All further influences require discussion

C. Sustainable Development

Discuss the environmental and economic advantages of using renewable energy sources.

[30m]

Environmental advantage identified:	2 marks
Economic advantage identified:	2 marks
Renewable energy sources:	2 marks + 2 marks
Examination:	11 x SRPs (6/5 SRPs per advantage)

➤ Credit other named advantages for a max of 2 SRPs

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Questions 10 to 12

Question 10

A. Population

Population Density

Country	Population Density
Ireland	62
Brazil	22
Kenya	64
Sweden	21
Mali	10
Mexico	54

Examine the data in the table above showing population density for a number of countries in 2007.

(i) Use **graph paper** to draw a suitable graph to illustrate this data.

	Bar Chart	Pie Chart
Title:	2 marks	2 marks
Scaled axis:	2 marks	2 marks (Circle & Centred)
6 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
- Naming of chart type not sufficient for title mark

(ii) In your answer book explain the term 'population density'.

Any valid explanation @ 4 marks [2 marks + 2 marks]

[20m]

B. Migration and Ireland

Examine **two** major changes in the patterns of Irish migration within the last one hundred years.

[30m]

Two changes named:	2 marks + 2 marks
Reference to two time periods:	2 marks + 2 marks
Examination:	11 x SRPs (6/5 SRPs per change)

C. Historic Settlement

Examine the 1:50,000 Ordnance Survey map of Carrick-on-Suir that accompanies this paper. Using evidence from the map describe and explain **three** different examples of historic settlement.

[30m]

3 historic settlements @ 10 marks each

Settlement 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 identifying historic settlement only

Question 11

A. Dynamics of Settlement

1830's Ordnance Survey Map



Recent Aerial Photograph



Scoilnet Maps

Examine the 1830's Ordnance Survey map extract of Kilrush, labelled **X** and a recent aerial photograph of the same area, labelled **Y** above.

In your answer book, draw a sketch map of the aerial photograph, labelled **Y** above.

On it mark and name the following:

- The present day coastline
- A marina with boats
- **Two** land-uses which have developed since the 1830's.

[20m]

Outline:

4 marks

Each of 4 items:

Shown 2 marks graded, Named 2 marks

B. Urban Problems

- (i) Explain the term 'traffic congestion'.
- (ii) Explain **two** methods used to overcome traffic congestion. Use examples you have studied in your answer.

[30m]

- (i) Explanation: 2 marks graded
- (ii) Two named methods: 2 marks + 2 marks
Named examples: 2 marks + 2 marks
Examination: 10 x SRPs (5 SRPs per method)

- Allow for transfer of information from part (i) to part (ii) if it refers to methods used to overcome traffic congestion

C. Developing World Cities

'Problems can develop as urban centres expand and grow.'

Discuss this statement with reference to **one** developing world city that you have studied.

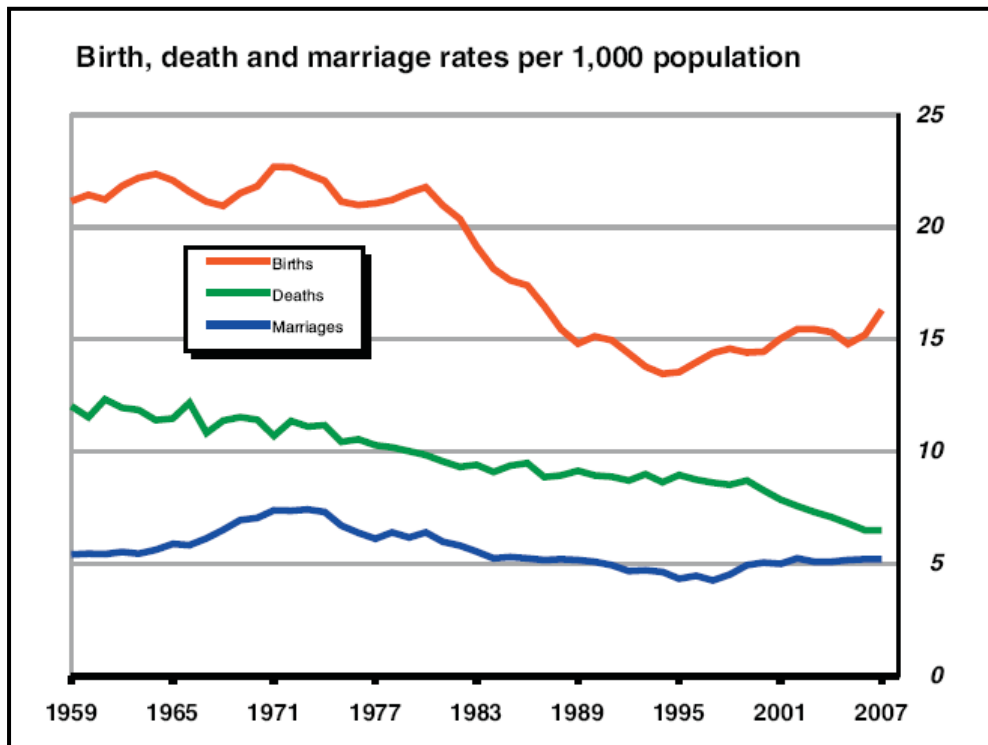
[30m]

- Developing world city identified: 2 marks
- Two problems identified: 2 marks + 2 marks
- Examination: 12 x SRPs

- Max 2 SRPs if answer is not tied to a named developing world city
- Credit a 3rd named problem from within examination if discussed

Question 12

A. Population Change



Examine the graph above and answer the following questions in your answer book:

- (i) What was the marriage rate per thousand in 1989?
- (ii) When did the death rate first drop below 10 per thousand?
- (iii) What was the general trend in the birth rate between 1983 and 1995?
- (iv) Briefly explain the term 'natural increase'.

[20m]

Four answers @ 5 marks each:

- (i) 5 or 0.5%
- (ii) 1979, 1980, 1981 or "between 1977 - 1983"
- (iii) Any term that indicates a decrease
- (iv) Any valid explanation (3 marks + 2 marks)

B. Migration

‘Ethnic and religious issues can arise as a result of migration.’
Examine this statement with reference to example(s) you have studied.

[30m]

Ethnic issue identified: 2 marks
Religious issue identified: 2 marks
Example: 2 marks
Examination: 12 x SRPs

- Credit 1 extra example from examination
- Issues can be positive / negative
- Max 6 SRPs for discussion to one issue only

C. Central Place

Examine the Ordnance Survey map and aerial photograph accompanying this paper. Using evidence from the Ordnance Survey map **and** aerial photograph, show that Carrick-on-Suir performs the function of a Central Place or market centre for the surrounding hinterland.

[30m]

Ordnance Survey Map evidence: 2 marks
Aerial Photograph evidence: 2 marks
Examination: 13 x SRPs

- Max 6 SRPs if reference to map or photograph only
- Max 2 SRPs if the answer is theory-based and without relevant reference to Carrick-on-Suir

SECTION 3 – OPTIONS

Questions 13 to 24

Attempt **ONE** question

N.B. It is better to discuss **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 how the operations of Multinational Companies may contribute to the widening economic gap between developing and developed countries. **[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 to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

14. Discuss the idea that Fair Trade not Aid is the best way to tackle economic inequality in the world. **[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 to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

15. Examine the causes and the impact of **one** global environmental issue studied by you. **[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

- A named environmental issue is required for 1 SRP
- A ratio of 2:1 or 1:2 or 3:1 or 1:3 or 2:2 is required
- Select scheme according to number of aspects discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

Geocology

16. Examine the influence of climate on the characteristics of **one** biome that you that 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
Overall coherence:	7/6 marks graded	6 x SRPs 4 marks graded

- A named biome is required for 1 SRP
- Select scheme according to number of aspects discussed
- Do not accept climate as an aspect. Aspects must be clearly tied to the influence of climate
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

17. Examine **two** ways in which human activities have impacted on soils. **[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 discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

18. Describe and explain the characteristics of any **one** soil type studied by you. **[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

- A named soil type is required for 1 SRP
- Select scheme according to number of aspects discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

Culture and Identity

19. The Gaeltacht areas are distinctive cultural regions. Discuss. **[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 to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

20. Examine the significance of **either** language **or** religion as a cultural indicator. **[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 discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

21. Discuss the role of migration in any European region 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

- A named European region is required for 1 SRP
- Select scheme according to number of aspects discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

The Atmosphere-Ocean Environment

22. Describe and explain why the characteristics of climate change over time. **[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 discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

23. Examine the impact of climate on the development of tourism in any region that 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

- A named region is required for 1 SRP
- Select scheme according to number of aspects discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and in different aspects)

24. Describe and explain the formation of mid-latitude depressions and the weather patterns associated with them. **[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 discussed
- Allow credit for up to 2 examples to a max of 2SRPs (Different examples and in different aspects)
- Allow credit for up to 2 illustrations to a max of 2SRPs (Different illustrations and 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 / tasks @ 20 marks each.

For each method / task: 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 headings @ 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 is 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=2 marks
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=2 marks
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:	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 2010

- 1. Geomorphic processes of erosion in a fluvial or coastal or glaciated environment.**
- 2. Geomorphic underground processes in a karst environment.**
- 3. Demographic change in a local setting.**
- 4. Management of a local environmental issue.**
- 5. Traffic patterns in a rural or urban setting.**
- 6. Changing land-use in a local setting.**

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

Note: Modified marking scheme available for candidates who sat a modified examination paper.

