



Coimisiún na Scrúduithe Stáit
State Examinations Commission

LEAVING CERTIFICATE 2010

MARKING SCHEME

GEOGRAPHY

ORDINARY LEVEL

Geographical Investigation- Core Unit 3

1. Introduction
4 SRPs @ 1 mark each
Conformity with prescribed length– 1 mark 5 marks
[SRP = Significant Relevant Point]

 2. Planning
4 SRPs @ 1 mark each
Conformity with prescribed length – 1 mark each 5 marks

 3. Gathering of Data
Two Methods/Tasks @ 18 marks each
Each method/task – 9 SRPs @ 2 marks each (18 x 2) 36 marks
- | | |
|---------------------------------------------------------------------------|---------|
| Coherence – 2 marks graded Conformity with prescribed length – 2 marks | 4 marks |
|---------------------------------------------------------------------------|---------|
- Total 40 marks**
4. Results, Conclusions, Evaluation [30 marks]
Three headings @ 8 marks each
Each heading: 4 SRPs @ 2 marks each 24 marks
- | | |
|---------------------------------------------------------------------------|---------|
| Coherence – 4 marks graded Conformity with prescribed length = 2 marks | 6 marks |
|---------------------------------------------------------------------------|---------|
- Total 30 marks**
5. Organisation and Presentation of Results
10 SRPs @ 2 marks each

Total 20 marks

(Please refer to Appendix 1 for Topics List)

PART ONE – SHORT-ANSWER QUESTIONS – 100 MARKS

**Attempt TEN questions
All Questions carry equal marks**

1. Cross-section of the Earth

- (i)
- | | | |
|---------------------------|---|---------|
| Outer Core | B | 2 marks |
| Mantle convection current | C | 2 marks |
| Inner Core | D | 2 marks |
| Mid-Ocean Ridge | E | 2 marks |
| Ocean trench | A | 2 marks |

Total marks 10

2. Climate

- (i) West 2 marks
- (ii) Depression/Cyclone 2 marks
- (iii)
- | | |
|----------------|---------|
| (a) February | 2 marks |
| (b) November | 2 marks |
| (c) Valid Name | 2 marks |

Total marks 10

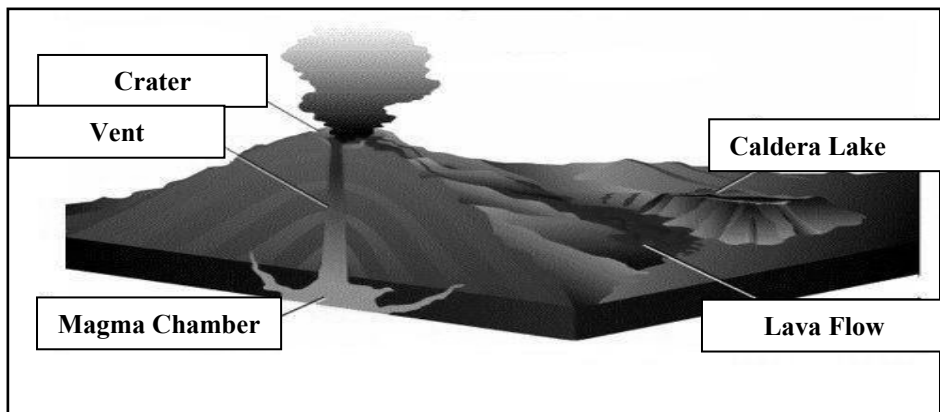
3. Regions

- | | | |
|---|---|---------|
| A | 4 | 2 marks |
| B | 5 | 2 marks |
| C | 3 | 2 marks |
| D | 2 | 2 marks |
| E | 1 | 2 marks |

Total marks 10

4. Volcanic Landforms

Five terms @ 2 marks each as follows:



Total marks 10

5. Ordnance Survey

Examine the Ordnance Survey map accompanying this paper.

- (i) Correct Distance 5 marks graded
- (ii) Coniferous 5 marks

Total marks 10

6. Ordnance Survey Map

- (i)
- Public Telephone 2 marks
 - Enclosure etc. 2 marks
 - Parking 2 marks
 - 18 Hole Golf Course 2 marks
- (ii) 263 2 marks

Total marks 10

7. Aerial Photograph and Ordnance Survey Map

- (i)
- Location 2 marks
- Location 2 marks
- Location 2 marks
- (ii)
- Dillon Bridge 2 marks
- Correct Grid Reference 2 marks

Total marks 10

8. Karst Landscape

Five words @ 2 marks each as follows:

The sedimentary rock in the photograph is called **LIMESTONE**. It is weathered by the process of **CARBONATION**. This dissolves calcium carbonate in the rock to form deep grooves called **GRIKES**. These grooves are separated from each other by upright blocks called **CLINTS**. This forms a landscape which is known as a Limestone **PAVEMENT**.

Total marks 10

9. Coastal and Glacial Features

- | | | |
|-------|--------------------------|---------|
| (i) | Tarn/corrie/ cirque lake | 2 marks |
| (ii) | Arête | 2 marks |
| (iii) | Erosion | 2 marks |
| (iv) | Sand Spit etc | 2 marks |
| (v) | Deposition | 2 marks |

Total marks 10

10. World's Regions

- | | | |
|-------|-----------------|---------|
| (i) | Christian | 2 marks |
| (ii) | Buddhist | 2 marks |
| (iii) | 27 | 2 marks |
| (iv) | 13 | 2 marks |
| (v) | Any valid graph | 2 marks |

Total marks 10

11. Satellite Images

- | | | |
|----------------------|---|---------|
| Hurricane | F | 2 marks |
| A retreating glacier | A | 2 marks |
| An urban area | E | 2 marks |
| A desert | C | 2 marks |
| Mount Everest | D | 0 marks |
| An erupting volcano | B | 2 marks |

Total marks 10

12. River Landforms

- | | | | |
|-------|-------------------|---|---------|
| (i) | Waterfall | C | 2 marks |
| | Interlocking Spur | B | 2 marks |
| | Meander | A | 2 marks |
| (ii) | Reason stated | | 2 marks |
| (iii) | Reason stated | | 2 marks |

Total marks 10

PART TWO – STRUCTURED QUESTIONS – 300 MARKS

You must attempt **THREE** 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**

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. Plate Boundaries

Study the diagrams below and answer the following questions in your answer book:

- (i) Match each of the descriptions below with the correct plate boundary above:

Scheme

Convergent **5 marks**

Transform **5 marks**

Divergent **5 marks**

- (ii) At which of the above plate boundaries is the Mid-Ocean Ridge?

Scheme

Divergent **5 marks**

- (iii) At which of the above plate boundaries would you find Fold Mountains?

Scheme

Convergent **5 marks**

- (iv) Name an example of Fold Mountains.

Scheme

Any named example **5 marks**

Total marks 30

B. Surface Processes

Answer (i) or (ii)

- (i) Describe and explain any **one** process of mass movement.

Scheme

Explain any one process @ 30 marks = 30 marks

Process Named = 3 marks

9 SRPs @ 3 marks each 27 marks

(Allow named example for one SRP)

Total marks 30

OR

(ii) Select any **one** of the following surface processes:

- Sea / marine action
- River action
- Glacial action.

Explain with the aid of a diagram(s) the formation of any **one** Irish landform resulting from your selected process.

Scheme

| | |
|-----------------------------------------------------------|-----------------|
| Formation of any one Irish landforms @ 30 marks = | 30 marks |
| Landform Named = | 2 marks |
| Diagram/diagrams | |
| Two aspects @ 2 marks each | 4 marks |
| Formation of landform explained | |
| 8 SRPs @ 3 marks each | 24 marks |
| (At least one SRP must explain a relevant process) | |
| (Allow named Irish example for one SRP) | |

Total marks 30

C. Human Interaction with the Rock Cycle

Humans interact with the rock cycle in many ways. These include:

- Oil and gas exploration
- Mining
- Quarrying
- Geothermal energy production.

With reference to examples you have studied explain **one** of the interactions listed above in detail.

Scheme

| | |
|-----------------------------------------------|-----------------|
| Explanation twelve SRPs @ 3 marks each | 36 marks |
| Example | 4 marks |

Total marks 40

Question 2

A. Ordnance Survey Map

Examine the 1:50,000 Ordnance Survey map accompanying this paper.

Draw a sketch map of the area shown and on it **mark** and **name** the following:

- The River Suir
- A **named** hill
- A 'Waymarked Walk' called the South Leinster Way
- An area of land over 200 metres north of the River Suir
- A meander on the River Suir (Please mark on your sketch map with an **X**).

Scheme

Draw a sketch Map =

5 marks graded

▪ Limits/frame =

1 marks

▪ Proportions

2 marks graded

▪ Overall impression =

2 marks graded

For an obvious tracing allow 50% of marks obtained for the features BUT 0 marks out of the 5 for sketch map.

Mark and identify 5 items @

5 marks graded

Showing =

3 marks graded

Naming/identifying

2 marks

Total marks 30

B. Earthquakes

(i) What was the **magnitude** (strength) of the earthquake at the epicentre?

Scheme

| Magnitude | Mark |
|-----------|------|
| 6.3 | 2 |

(ii) At what **time** did the earthquake take place?

Scheme

| Time | Mark |
|--------|------|
| 1.32pm | 2 |

(iii) How **many** towns reported deaths as a result of the earthquake?

Scheme

| Number of towns | Mark |
|-----------------|------|
| 5 | 3 |

(iv) Explain in detail how earthquakes occur.

Scheme

11 SRPs @ 3 marks each

33 marks graded

Total marks 40

C. Human Interaction

Describe and explain how humans attempt to control **one** of the following surface processes:

- River Processes
- Coastal Processes
- Mass movement.

Scheme

How humans attempt to control surface processes @ 30 marks graded.

Control named =

3 marks

Way explained/described

9 SRPs @ 3 marks each

27 marks

Total marks 30

Question 3

A. Mass Movement and Weathering

In your answer book:

(i) Match each of the images with the correct term below:

Scheme

- C 5 marks
- A 5 marks
- B 5 marks

(ii) State whether each image is as a result of mass movement or weathering.

Scheme

- Scree Weathering 5 marks
- Soil Creep Mass Movement 5 marks
- Avalanche Mass Movement 5 marks

Total marks 30

B. Rocks

(i) Name any **one** type of sedimentary rock.

Scheme

One type of rock named 2 marks

(ii) Give a **specific location** in Ireland where this sedimentary rock can be found?

Scheme

Specific location in Ireland 2 marks

(iii) Describe how sedimentary rock is formed.

Scheme

12 SRPs @ 3 marks each 36 marks graded

Total marks 40

C. Weathering

Weathering is the process where rock and soil is broken up and can be caused by:

- Freeze Thaw Action
- Carbonation.

Describe and explain any **one** of these weathering processes.

Scheme

Explaining any one weathering process = 30 marks

10 SRPs @ 3 marks each 30 marks

Total marks 30

REGIONAL GEOGRAPHY

Questions 4 to 6

Attempt **ONE** question

Question 4

A. Map Skills

Draw a sketch map of a **Continental / Sub-Continental** region which you have studied.
On it **mark and name**:

- One named river
- Two named towns or cities
- One named mountain.

Scheme

Sketch map of region =

6 marks graded

Mark and identify 4 items @ 6 marks graded

| | | |
|-----------------|-------|----------------|
| Named river | Named | 2 marks |
| | Shown | 4 marks graded |
| Town/City named | Named | 2 marks |
| | Shown | 4 marks graded |
| Town/City named | Named | 2 marks |
| | Shown | 4 marks graded |
| Named mountain | Named | 2 marks |
| | Shown | 4 marks graded |

Total marks 30

B. Agriculture in Ireland

Explain how any **two** of the following influence the development of agriculture in an **Irish region** you have studied:

- Relief and soils
- Climate
- EU Policies
- Markets.

Clearly state the name of the region in your answer.

Scheme

Naming the Irish region

4 marks

Two factors @

36 marks

Factor 1 explained

6 SRPs @

3 marks each

18 marks

Factor 2 Explained

6 SRPs @

3 marks each

18 marks

Total marks 40

C. Tourism

Explain **two** advantages of tourism for the economy of a **European region (not in Ireland)** you have studied.

Clearly state the name of the region in your answer.

Scheme

Naming the region

3 mark

Advantage 1 stated

3 marks

Explaining the advantage for the economy

4 SRPs @

3 marks each

12 marks

Advantage 2 stated

3 marks

Explaining the advantage for the economy

3 SRPs @

3 marks each

9 marks

Total marks 30

Question 5

A. European Union Policy

Examine the pie-chart above showing the percentage of European Union spending on the CAP, by member state. Answer the following questions in your answer book:

- (i) What do the letters CAP represent?
- (ii) Calculate the percentage of EU spending on CAP in Ireland, labelled X, on the pie-chart.
- (i) Name one other EU member state not named in the pie-chart above.
- (ii) List two ways Ireland benefited from the CAP.

Scheme

Five correctly identified @ 6 marks each as follows:

| | Answer | Mark |
|-------|----------------------------|------|
| (i) | Common Agricultural Policy | 6 |
| (ii) | 3% | 6 |
| (iii) | Any valid named country | 6 |
| (iv) | Way 1 | 6 |
| | Way 2 | 6 |

Total marks 30

B. European Region

Describe the development of manufacturing industry in a **European region (not in Ireland)** which you have studied.

Clearly state the name of the region in your answer.

Scheme

Naming the European region (not in Ireland) 4 marks

Describing the development of manufacturing industry 36 marks

12 SRPs @ 3 marks each

Total marks 40

C. Urban Regions

Explain **two** reasons for the growth of **one** urban area in any region you have studied.

Clearly state the name of the urban area in your answer.

Scheme

Naming the urban area

3 mark

Reason 1 stated

3 marks

Explaining the factor

4 SRPs @

3 marks each

12 marks

Reason 2 stated

3marks

Explaining the factor

3 SRPs @

3 marks each

9 marks

Total marks 30

Question 6

A. Ireland - Regions

Draw a sketch map of Ireland.
On it **mark** and **name**:

- One region studied by you
- One named river in the region
- One named mountain in the region
- One airport or port in the region.

Scheme

Sketch map of Ireland =

6 marks graded

Mark and identify 4 items @ 6 marks graded

| | | |
|-----------------------|-------|----------------|
| Region | Named | 2 marks |
| | Shown | 4 marks graded |
| River | Named | 2 marks |
| | Shown | 4 marks graded |
| Mountain | Named | 2 marks |
| | Shown | 4 marks graded |
| Airport/Port | Named | 2 marks |
| | Shown | 4 marks graded |
| Total marks 30 | | |

B. Continental / Sub-Continental Regions

Name any one **Continental / Sub-Continental** region that you have studied.
Describe the development of **one** of the following in that region:

- Tourism
- Agriculture.

Scheme

Naming the Continental/Sub Continental region

3 marks

Describing the development of tourism/agriculture

27 marks

9 SRPs @

3 marks each

Total marks 30

C. European Expansion and Ireland

In 2004 ten new countries joined the European Union.

- (i) Name and describe **one** positive effect this has had on **Ireland**.

- (ii) Name and describe **one** problem which this has created for **Ireland**.

Scheme

| | |
|--------------------------------------------|-----------------------|
| (i)Positive effect on Ireland named | 2 marks |
| Effect explained | |
| 6 SRPs @ | 3 marks each |
| | 18 marks |
| (ii)Problem for Ireland named | 2 marks |
| Problem explained | |
| 6 SRPs @ | 3 marks each |
| | 18 marks |
| | Total marks 40 |

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. Statistics

Irish Unemployment Rates

| Year | % Unemployed |
|------|--------------|
| 2007 | 4.6 |
| 2008 | 6.4 |
| 2009 | 11.6 |
| 2010 | 14.8 |

The table above shows the percentage of unemployed people in Ireland in 2007, 2008, 2009 and the predicted percentage for 2010.

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

Scheme

Drawing graph @ 21 marks graded

Over Impression on graph paper

2 marks

Vertical Axis labelled - Circle

3 marks graded

Horizontal Axis labelled - Centred

3 marks graded

4 Items @ 4 marks each graded

16 marks

(Sub Total 24)

- (ii) In your answer book briefly explain why unemployment in Ireland is rising.

Scheme

Explaining why unemployment is rising

2 SRPs @ 3 marks each

6 marks

(Sub Total 6)

Total marks 30

B. Developing Economies

‘Colonialism has hindered the economic development of some countries.’

With reference to a developing country or region that you have studied, describe **two** ways in which colonialism has limited that area’s development.

Scheme

| | | |
|---------------------------------------------|---------------------|-----------------------|
| Naming the developing country/region | | 3 mark |
| Way 1 stated | | 3 marks |
| Explaining the way | | |
| 4 SRPs @ | 3 marks each | 12 marks |
| Way 2 stated | | 3 marks |
| Explaining the way | | |
| 3 SRPs @ | 3 marks each | 9 marks |
| | | Total marks 30 |

C. Multinational Companies

(i) Give the **name** and **location** of one multinational company you have studied.

Scheme

| | |
|-----------------|----------------|
| Named | 4 marks |
| Location | 4 marks |

(ii) Name **one** product manufactured by your named multinational company.

Scheme

| | |
|----------------------|----------------|
| Product named | 5 marks |
|----------------------|----------------|

(iii) Describe and explain **two** reasons why your named multinational company located where it did.

Scheme

| | | |
|------------------------|---------------------|-----------------|
| Reason 1 stated | | 3 marks |
| Explained | | |
| 4 SRPs @ | 3 marks each | 12 marks |
| Reason 2 stated | | 3 marks |
| Explained | | |
| 3 SRPs @ | 3 marks each | 9 marks |

Total marks 40

Question 8

A. Ordnance Survey Map

Examine the 1:50,000 Ordnance Survey map and legend accompanying this paper.
Draw a sketch map of the area shown and on it **mark** and **name** the following:

- The built up area of Carrick-on-Suir
- The railway line
- The N24 National Primary Road
- An electricity transmission line
- A mast in the north of the map.

Scheme:

| | |
|-----------------------------|----------------|
| Draw a sketch Map = | 5 marks graded |
| ▪ Limits/frame = | 1 mark |
| ▪ Proportions (landscape) = | 2 marks graded |
| ▪ Overall impression = | 2 marks graded |

For an obvious tracing allow 50% of marks obtained for the features BUT 0 marks out of the 5 for sketch map.

| | |
|-----------------------------|----------------|
| Mark and identify 5 items @ | 5 marks graded |
| Showing = | 3 marks graded |
| Naming/identifying | 2 marks |

Total marks 30

B. Acid Rain

(i) Explain how acid rain occurs.

Scheme

Explaining how acid rain occurs

2 SRPs @ 3 marks each

6 marks

(Sub Total 6)

(ii) Name and describe **two effects** of acid rain.

Scheme

Two effects

Effect 1

Named

Explained 3 SRPs @ 3 marks each

2 marks

9 marks

Effect 2

Named

Explained 3 SRPs @ 3 marks each

2marks

9 marks

(Sub Total 22)

(iii) Suggest **two actions** that could be taken to reduce these effects.

Scheme

Two actions

Action 1

2 SRPs @ 3 marks each

6 marks

Action 2

2 SRPs @ 3 marks each

6 marks

(Sub Total 12)

Total marks 40

C. Economic Activities and Conflict

‘The development of economic activities and the exploitation of natural resources can lead to conflict between local interests.’

Discuss this statement with reference to **one** example that you have studied.

Scheme

Example named

3 marks

Statement discussed

27 marks

9 SRPs @

3 marks each

Total marks 30

Question 9

A. Economic Development

Study the map above and answer the following questions:

- (i) What do the letters HDI represent?

Scheme

Human Development Index 6 marks

- (ii) Name the **three** variables used to calculate the HDI.

Scheme

Three variables @ 2 marks each 6 marks

- (iii) In which category of HDI is Ireland?

Scheme

0,90-0,96 6 marks

- (iv) Explain briefly why the HDI for Africa is low.

Scheme

Explanation

2 SRPs @ 3 marks each 6 marks

- (v) GDP is another measure of economic development. What do the letters GDP represent?

Scheme

Gross Domestic Product 6 marks

Total marks 30

B. Aerial Photograph

Examine the aerial photograph accompanying this paper.

Imagine you have the task of finding a suitable location for building a **new factory** near the town of Carrick-on-Suir.

- (i) State clearly where you would locate the factory by using accepted notation (left background etc.).

Scheme

Correct location 6 marks

- (ii) Explain **one** reason in favour of this location.

Scheme

Stating reason in favour 3 marks

Explaining the reason

3 SRPs @ 3 marks each 9 marks

- (iii) Explain **one** reason why local people might object to the building of the factory.

Scheme

Stating reason to object 3 marks

Explaining the reason

3 SRPs @ 3 marks each 9 marks

Total marks 30

C. Ireland and the European Union

The Irish economy receives funding from the European Union through the following:

- Common Agricultural Policy
- Common Fisheries Policy
- Regional Development Fund.

Choose any **one** of the above and explain in detail **two** ways it benefits the Irish economy.

Scheme

| | | |
|--------------------------|---------------------|-----------------------|
| Naming the policy | | 1 mark |
| Way1 stated | | 3 marks |
| Explained | | |
| 6 SRPs @ | 3 marks each | 18 marks |
| Way 2 stated | | 3 marks |
| Explained | | |
| 5 SRPs @ | 3 marks each | 15 marks |
| | | Total marks 40 |

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Questions 10 to 12

Question 10

A. Population Structure

Examine the population pyramid above for Cork City and answer the following questions:

(i) What percentage of females is in the 10 - 14 year age group?

Scheme

2.59

6 marks

(ii) Which age group is the largest?

Scheme

20-24

6 marks

(iii) Which is greater the percentage of males or females in the 80 - 84 age group?

Scheme

Females

6 marks

(iv) Calculate the percentage of children, both males and females in the 0 - 4 age group.

Scheme

4.74

6 marks

(v) Explain **one** way this population pyramid differs from the population pyramid of a city in the developing world.

Scheme

Way explained

Two SRPs @ 3 marks each

6 marks

Total marks 30

B. Migration

(i) Describe and explain **one positive** effect of people migrating.

Scheme

Positive effect stated 3 marks

Described and explained

4 SRPs @ 3 marks each 12 marks

(ii) Describe and explain **one negative** effect of people migrating.

Scheme

Negative effect stated 3 marks

Described and explained

4 SRPs @ 3 marks each 12 marks

Total marks 30

C. Settlement Patterns

(i) Name and give the location by grid reference of any **two** rural settlement patterns evident on the Ordnance Survey map accompanying this paper.

Scheme

Two patterns named @ 3 marks each 6 marks

Two patterns located @ 5 marks each 10marks graded

(Sub Total 16 marks)

(ii) Explain the development of these patterns in detail.

Scheme

Two patterns explained

Pattern 1

Four SRPs @ 3 marks each 12 marks

Pattern 2

Four SRPs @ 3 marks each 12 marks

(Sub Total 24 marks)

Total marks 40

Question 11

A. Population Dynamics

Infant Mortality Rates, 2009

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

Scheme

Drawing graph @ 21 marks graded.

Over Impression on graph paper

2 marks

Vertical Axis labelled - Circle

3 marks graded

Horizontal Axis labelled - Centred

3 marks graded

4 Items @ 4 marks each graded

16 marks

(Sub Total 24)

- (ii) In your answer book explain why infant mortality rate is higher in developing countries such as Kenya?

Scheme

Explaining why infant mortality rates are higher in the developing world

2 SRPs @

3 marks each

6 marks

(Sub Total 6)

Total marks 30

B. Development of Towns

Examine the aerial photograph and the 1:50,000 Ordnance Survey map and legend accompanying this paper.

Using the map **and** the photograph explain **three** reasons why the town of Carrick-on-Suir developed at its present location.

Scheme

Reason 1

Explaining the reason

4 SRPs @

3 marks each

12 marks

Reason 2

Explaining the reason

3 SRPs @

3 marks each

9 mark

Reason 3

Explaining the reason

3 SRPs @

3 marks each

9 marks

Three pieces of map or photo evidence (2:1 or 1:2)

10 marks

First evidence 4

Second evidence 3

Third evidence 3

Total marks 40

C. Growth of Cities in the Developing World

(i) Name **one** city in the developing world which has grown rapidly in recent years.

Scheme

Any valid named city

3 marks

(ii) State **one** reason why this city has grown rapidly.

Scheme

Reason stated

3 marks

(iii) Describe **one** problem caused by this rapid growth.

Scheme

Problem stated

3 marks

Described

Three SRPs @ 3 marks each

9 marks

(iv) Explain **one** solution to this problem.

Scheme

Solution stated

3 marks

Three SRPs @ 3 marks each

9 marks

Total marks 30

Question 12

A. Land Use in Cities

Examine the aerial photograph accompanying this paper.

Draw a sketch map of the area shown on the photograph. On your sketch map **mark** and **name** the following:

- A church
- A recreational (leisure) area
- The main street (Central Business District)
- A modern residential (housing) area
- A bridge.

Scheme:

| | |
|------------------------------------|-----------------------|
| Draw a sketch Map = | 5 marks graded |
| ▪ Limits/frame = | 1 mark |
| ▪ Proportions (landscape) = | 2 marks graded |
| ▪ Overall impression = | 2 marks graded |

For an obvious tracing allow 50% of marks obtained for the features BUT 0 marks out of the 5 for sketch map.

| | |
|------------------------------------|-----------------------|
| Mark and identify 5 items @ | 5 marks graded |
| Showing = | 3 marks graded |
| Naming/identifying | 2 marks |
| | Total marks 30 |

B. Over-population

‘Some parts of the world are over-populated. Over-population occurs when there are too many people in a region relative to the resources available to provide an adequate standard of living.’

(i) Name any **one** region of the world that is over-populated.

Scheme

Region named **4 marks**

(ii) Explain in detail **one** cause of the over-population in the region you have named.

Scheme

Cause stated **3 marks**

Explained

Four SRPs @ 3 marks each **12 marks**

(iii) Describe in detail **one** problem caused by over-population.

Scheme

Problem stated **3 marks**

Described

Four SRPs @ 3 marks each **12 marks**

(iv) Suggest **one** solution to the problem of over-population.

Scheme

Solution suggested **6 marks**

Two SRPs @ 3 marks each

Total marks 40

C. Changing Urban Functions

Explain **two** functions of an urban area studied by you.

Clearly state the name of the urban area in your answer.

Scheme

Naming the urban area

3 mark

Function 1 stated

3 marks

Explaining the function

4 SRPs @

3 marks each

12 marks

Function 2 stated

3 marks

Explaining the function

3 SRPs @

3 marks each

9 marks

Total marks 30

Appendix 1 – Geographical Investigation Topics

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.**

Marcanna Breise as ucht freagairt trí Ghaeilge

Léiríonn an tábla thíos an méid marcanna breise ar chóir a bhronnadh ar iarrthóirí a ghnóthaíonn thar 75% d'iomlán na marcanna.

N.B. Ba chóir marcanna de réir an ghnáthráta a bhronnadh ar iarrthóirí nach ghnóthaíonn thar 75% d'iomlán na marcanna. Ba chóir freisin an marc bónais sin a shlánú síos.

Iomlán: 400 Gnathráta: 10%

Bain úsáid as an ngnáthráta i gcás marcanna suas go 300. Thar an marc sin, féach an tábla thíos.

| Bunmharc | Marc Bónais |
|-----------|-------------|
| 301 - 303 | 29 |
| 304 - 306 | 28 |
| 307 - 310 | 27 |
| 311 - 313 | 26 |
| 314 - 316 | 25 |
| 317 - 320 | 24 |
| 321 - 323 | 23 |
| 324 - 326 | 22 |
| 327 - 330 | 21 |
| 331 - 333 | 20 |
| 334 - 336 | 19 |
| 337 - 340 | 18 |
| 341 - 343 | 17 |
| 344 - 346 | 16 |
| 347 - 350 | 15 |

| Bunmharc | Marc Bónais |
|-----------|-------------|
| 351 - 353 | 14 |
| 354 - 356 | 13 |
| 357 - 360 | 12 |
| 361 - 363 | 11 |
| 364 - 366 | 10 |
| 367 - 370 | 9 |
| 371 - 373 | 8 |
| 374 - 376 | 7 |
| 377 - 380 | 6 |
| 381 - 383 | 5 |
| 384 - 386 | 4 |
| 387 - 390 | 3 |
| 391 - 393 | 2 |
| 394 - 396 | 1 |
| 397 - 400 | 0 |

Geographical Investigation - Not included in total for bonus marks

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

