



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate 2014

Marking Scheme

Geography

Ordinary Level

Note to teachers and students on the use of published marking schemes

Marking schemes published by the State Examinations Commission are not intended to be standalone documents. They are an essential resource for examiners who receive training in the correct interpretation and application of the scheme. This training involves, among other things, marking samples of student work and discussing the marks awarded, so as to clarify the correct application of the scheme. The work of examiners is subsequently monitored by Advising Examiners to ensure consistent and accurate application of the marking scheme. This process is overseen by the Chief Examiner, usually assisted by a Chief Advising Examiner. The Chief Examiner is the final authority regarding whether or not the marking scheme has been correctly applied to any piece of candidate work.

Marking schemes are working documents. While a draft marking scheme is prepared in advance of the examination, the scheme is not finalised until examiners have applied it to candidates' work and the feedback from all examiners has been collated and considered in light of the full range of responses of candidates, the overall level of difficulty of the examination and the need to maintain consistency in standards from year to year. This published document contains the finalised scheme, as it was applied to all candidates' work.

In the case of marking schemes that include model solutions or answers, it should be noted that these are not intended to be exhaustive. Variations and alternatives may also be acceptable. Examiners must consider all answers on their merits, and will have consulted with their Advising Examiners when in doubt.

Future Marking Schemes

Assumptions about future marking schemes on the basis of past schemes should be avoided. While the underlying assessment principles remain the same, the details of the marking of a particular type of question may change in the context of the contribution of that question to the overall examination in a given year. The Chief Examiner in any given year has the responsibility to determine how best to ensure the fair and accurate assessment of candidates' work and to ensure consistency in the standard of the assessment from year to year. Accordingly, aspects of the structure, detail and application of the marking scheme for a particular examination are subject to change from one year to the next without notice.

In considering this marking scheme, the following should be noted:

- The detail required in any answer is determined by the context and the manner in which the question is asked and by the number of marks assigned to the answer in the examination paper.
- Word, expressions or phrases must be correctly used in context and not contradicted, and where there is evidence of incorrect use or contradiction, the marks may not be awarded.
- As a general rule, if in doubt about the validity of any answer, examiners must consult their advising examiner before awarding marks.
- The suggestions, examples etc. in the scheme are not exhaustive and alternative valid answers etc. are acceptable.
- For the purpose of marking a Significant Relevant Point (SRP) is a single piece of factual information, to which an examiner will assign a mark weighting as prescribed in the marking scheme (typically 3 marks). As previously advised in Circular S85/09 and in the Sample Marking Indicators available on the SEC website each SRP should emerge from the information put forward by the candidate, leading to an overall coherent response to the question.

Geographical Investigation- Core Unit 3

1. Introduction
4 SRPs @ 1 mark each
Conformity with prescribed length - 1 mark
Total Marks 5

2. Planning
4 SRPs @ 1 mark each
Conformity with prescribed length - 1 mark each
Total Marks 5

3. Gathering of Data
Two Methods/Tasks @ 18m each
Each method/task - 9 SRPs @ 2m each (18 x 2) 36 marks

Coherence - 2 marks graded	
Conformity with prescribed length 2 marks	4 marks

Total Marks 40

4. Results, Conclusions, Evaluation
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 Marks 30

5. Organisation and Presentation of Results
10 SRPs @ 2 marks each
Total Marks 20

(Please refer to Appendix 1 for Topics List)

PART ONE – SHORT-ANSWER QUESTIONS – 100 MARKS

Attempt **TEN** questions.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE SPACES PROVIDED

1. Ordnance Survey Map

- (i) 484m 5 marks
(ii) 6.5-8.3 5 marks

Total marks 10

2. Ordnance Survey Map

- (i) Mast 2 marks
Post Office 2 marks
Golf Course 2 marks
Parking/Viewpoint 2 marks
(ii) Golf/Camping/Caravan Park 1+1 mark

Total marks 10

3. Aerial Photograph

- (i) Left Foreground 2 marks
Left Background 2 marks
Centre Middleground/Right Background/Right Middleground 2 marks
Left Middleground/Right Foreground/Left Background/
Centre Background
(ii) Spring 2 marks
(iii) Any valid reason 2 marks

Total marks 10

4. Physical Processes

- River deposition D 2 marks
Coastal deposition B 2 marks
River erosion A 2 marks
Glacial erosion E 2 marks
Glacial deposition C 2 marks

Total marks 10

5. Earthquakes

- | | | | |
|-------|------------------------------|---|---------|
| (i) | Focus | C | 2 marks |
| | Shock Waves | A | 2 marks |
| | Faultline | B | 2 marks |
| (ii) | Richter scale/Mercalli scale | | 2 marks |
| (iii) | Tsunami | | 2 marks |

Total marks 10

6. Plate Tectonics

- | | | | |
|-------|------------------------------------------------------------|---|---------|
| (i) | African Plate | B | 2 marks |
| | North American Plate | A | 2 marks |
| | Pacific Plate | C | 2 marks |
| (ii) | Eurasian/Indian OR Cocos/Caribbean
Nazca/South American | | 2 marks |
| (iii) | Eurasian | | 2 marks |

Total marks 10

7. Irish Rocks

- | | | | |
|------|-----------|-------------|---------|
| (i) | Limestone | Clare | 2 marks |
| | Basalt | Antrim | 2 marks |
| | Granite | Wicklow | 2 marks |
| (ii) | Granite | Igneous | 2 marks |
| | Limestone | Sedimentary | 2 marks |

Total marks 10

8. Weather Statistics

- | | | |
|-------|----------|---------|
| (i) | November | 2 marks |
| (ii) | July | 2 marks |
| (iii) | July | 2 marks |
| (iv) | No | 2 marks |
| (v) | 10.1 | 2 marks |

Total marks 10

9. Economic Activity

- | | | | |
|------|-------------------|-----------|---------|
| (i) | A | Primary | 2 marks |
| | B | Tertiary | 2 marks |
| | C | Secondary | 2 marks |
| | D | Primary | 2 marks |
| (ii) | Mining or Fishing | | 2 marks |

Total marks 10

10. Satellite Image Interpretation

- | | | | |
|------|----------------------------------|---|---------|
| (i) | Niagara Falls, Canada | A | 2 marks |
| | A flowing glacier in Switzerland | B | 2 marks |
| | Trim Castle, Co Meath | C | 2 marks |
| | Hydro Electric Power Station | D | 2 marks |
| (ii) | Use named | | 2 marks |

Total marks 10

11. Graphical Interpretation

- | | | |
|-------|-------|---------|
| (i) | False | 2 marks |
| (ii) | False | 2 marks |
| (iii) | True | 2 marks |
| (iv) | True | 2 marks |
| (v) | True | 2 marks |

Total marks 10

12. Regions

- | | | | |
|-------|-----------------------------|---|---------|
| (i) | Fingal County Council | D | 2 marks |
| (ii) | Paris | E | 2 marks |
| (iii) | The Sambre Meuse | A | 2 marks |
| (iv) | Mezzogiorno, Southern Italy | B | 2 marks |
| (v) | The Mediterranean | C | 2 marks |

Total marks 10

PART TWO – STRUCTURED QUESTIONS – 300 MARKS

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

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

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. Earthquakes

Earthquake in the Irish Sea

A 3.8 magnitude earthquake struck this morning. The epicentre was located approximately 2 km off the coast of the Lley Peninsula in Wales and was 97 km southeast of Dublin. The quake was followed four minutes later by a smaller 1.7 magnitude tremor.

Moderate shaking was felt in Carlow, Kildare, Wicklow, Wexford and Dublin. Earthquake stations as far away as Valentia, Donegal and Galway also recorded the earthquake.

Adapted from the Irish Independent, June 28th 2013

Read the newspaper article above and answer the following questions.

- (i) In what direction was the epicentre of the earthquake from Dublin **and** how many kilometres from Dublin was it?
Southeast of Dublin **3 marks**
97 km **3 marks**
- (ii) Name two locations in Ireland where the earthquake was felt.
Any two named locations @ 3 marks each **6 marks**
- (iii) What is the term given to the smaller tremors which follow the main earthquake?
Aftershocks **6 marks**
- (iv) State two effects of earthquakes?
Any two effects stated @ 3 marks each **6 marks**
- (v) Explain briefly why Ireland has not experienced **major** earthquakes.
Brief explanation 2 SRP's @ 3 marks each **6 marks**

Total marks 30

B. Volcanoes

- (i) Name **two** examples of volcanoes.
Two examples @ 2 marks each **4 marks**
- (ii) Describe the negative effects of volcanoes.
6 SRP's @ 3 marks each **18 marks**
- (iii) Describe the positive effects of volcanoes.
6 SRP's @ 3 marks each **18 marks**

Total marks 40

C. Human Interaction with the Rock Cycle

Describe any **one** of the following examples of human interaction with the rock cycle:

- Quarrying
- Mining
- Oil/Gas exploitation
- Geothermal energy production.

10 SRP's @ 3 marks each **30 marks**

Total marks 30

Question 2

A. Surface Processes

(i) Feature named:

Scree	B	4 marks
U-Shaped Valley	C	4 marks
Waterfall	A	4 marks

(ii) Process named:

A	Erosion	4 marks
B	Weathering	4 marks
C	Erosion	4 marks

(iii) Explain briefly what is meant by term *weathering*.

Brief explanation 2 SRP's @ 3 marks each

Total marks 30

B. Karst Landscapes

(i) Name one example of a karst landscape you have studied.

Landscape named **2 marks**

(ii) Explain, with the aid of a diagram, how **one surface** feature in karst landscape is formed.

Surface Feature named **1 mark**

Diagram **3 marks graded (3/1/0)**

Explanation:

5 SRPs @ 3 marks each **15 marks**

(iii) Explain, with the aid of a diagram, how **one underground** feature in karst landscape is formed.

Underground Feature named **1 mark**

Diagram **3 marks graded (3/1/0)**

Explanation:

5 SRPs @ 3 marks each **15 marks**

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.

Control identified

3 marks

Description and explanation:

9 SRP's @ 3 marks each

27 marks

Total marks 30

Question 3

A. Ordnance Survey Map

Examine the 1:50000 Ordnance Survey map and legend accompanying this paper.

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

Sketch:

Limits/Frame	1 mark
Proportions	2 marks graded (2/0)
Overall Impression	2 marks graded (2/1/0)
	5 marks total

Five items shown and named as follows:

An area of land over 300 metres	Showing	3 marks graded (3/1/0)
	Named	2 marks
All other items	Showing	3 marks graded (3/2/1/0)
	Named	2 marks

For an obvious tracing allow 50% of marks obtained for showing and naming items and 0 marks out of 5 for limits, proportion and overall impression.

Total marks 30

B. Surface Processes

Answer (i) or (ii).

- (i) Explain, with the aid of diagrams, the formation of any **two** landforms resulting from your selected process.

Formation of any two landforms @ 20 marks each	40 marks
For each landform:	
Formation by processes explained @	20 marks
Landform named	1 mark
Diagram:	
Two items @ 2 marks each	4 marks
Formation of landform explained:	
5 SRP's @ 3 marks each	15 marks
At least one SRP must explain a relevant process	

OR

- (ii) Describe and explain any **two** processes of mass movement.

Any two processes @ 20 marks each	40 marks
For each:	
Process stated	2 marks
6 SRP's @ 3 marks each	18 marks

Total marks 40

C. Plate Tectonics

Describe and explain what happens at plate boundaries.

Description and explanation:	
10 SRP's @ 3 marks each	30 marks

Total marks 30

REGIONAL GEOGRAPHY

Questions 4 to 6

Attempt **ONE** question

Question 4

A. Continental / Sub-Continental Region

Draw a sketch map of a **Continental /Sub-Continental** region (**not in Europe**) that you have studied.

On it, **show** and **name** each of the following:

- **One** named area of relief (upland or lowland)
- **One** named river
- **Two** named towns or cities.
-

Sketch Map:

Outline of Region

6 marks graded (6/4/2/0)

Upland/Lowland

Named

2 marks

Shown

4 marks graded (4/2/0)

One named river

Named

2 marks

Shown

4 marks graded (4/2/0)

Town/City 1

Named

2 marks

Shown

4 marks graded (4/2/0)

Town/City 2

Named

2 marks

Shown

4 marks graded (4/2/0)

Total marks 30

B. Economic Activity in a European Region

Name a **European** region (**not in Ireland**) that you have studied and explain any **two** of the following:

- The importance of **transport** to this region
- The reasons why **tourists** are attracted to this region
- The type of **farming** practised in this region
- The reasons for the development of **industry** in this region.

Naming the region **1 mark**

Activity 1 explained:
7 SRP's @ 3 marks each **21 marks**

Activity 2 explained:
6 SRP's @ 3 marks each **18 marks**

Total marks 40

C. Urban Growth in Ireland

Describe and explain reasons for the growth of any **Irish urban** area that you have studied.

Naming an urban area **3 marks**

Description and Explanation:
9 SRP's @ 3 marks each **27 marks**

Total marks 30

Question 5

A. European Union

- (i) Name **two** of the founding member states.
Any two founding countries named @ 3 marks each 6 marks
- (ii) In what year did Ireland join the European Union **and** name **one** other country that joined the same year?
1973 3 marks
United Kingdom/Denmark 3 marks
- (iii) Name the country labelled **X** that joined the European Union in 2013.
Croatia 6 marks
- (iv) Explain briefly **one** advantage for member states of enlargement of the European Union.
Brief explanation:
2 SRP's @ 3 marks each 6 marks
- (v) Explain briefly **one** disadvantage for member states of enlargement of the European Union.
Brief explanation:
2 SRP's @ 3 marks each 6 marks

Total marks 30

B. Secondary Economic Activity – Continental /Sub-Continental Region

Describe and explain the development of manufacturing industry in **any one Continental / Sub-Continental** region (**not in Europe**) that you have studied.

Naming the region 3 marks
Description/Explanation:
9 SRP's @ 3 marks each 27 marks

Total marks 30

C. Tourism in an Irish Region

Name **one Irish** region that you have studied and answer each of the following questions.

Name an Irish region **1 mark**

(i) Name **two** tourist attractions in this region.

Two tourist attractions named @ 3 marks each **6 marks**

(i) Explain the positive impacts of tourism in this region.

Explanation:

6 SRP's @ 3 marks each **18 marks**

(iii) Explain the negative impacts of tourism in this region.

Explanation:

5 SRP's @ 3 marks each **15 marks**

Total marks 40

Question 6

A. European Region

Draw a sketch map of a **European** region (**not in Ireland**) that you have studied.

On it, **show** and **name** each of the following:

- **Two** named towns or cities
- **One** named river
- **One** named area of relief (upland or lowland).

Sketch map of region outline 6 marks graded (6/4/2/0)

Show and name 4 items @ 6 marks each

Town/City 1	Named	2 marks
	Shown	4 marks graded (4/2/0)
Town/City 2	Named	2 marks
	Shown	4 marks graded (4/2/0)
Named River	Named	2 marks
	Shown	4 marks graded (4/2/0)
Relief area	Named	2 marks
	Shown	4 marks graded (4/2/0)

Total marks 30

B. Agriculture in an Irish Region

Name any **one Irish** region (**not in Europe**) that you have studied and answer the following questions.

Name one Irish region 2 marks

(i) Name **two** types of agriculture practised in this region.

Any two types named @ 1 mark each 2 marks

(ii) Explain the advantages that this region has for the development of agriculture.

Advantages explained:

6 SRP's @ 3 marks each 18 marks

(iii) Describe the challenges faced by agriculture in this region.

Challenges described:

6 SRP's @ 3 marks each 18 marks

Total marks 40

C. Regions and Culture

The culture of a region is often defined by its religion, language, music, dance and games.

Describe and explain the importance of culture in any region that you have studied.

Naming the region

3 marks

**Description/Explanation:
9 SRP's @ 3 marks each**

27 marks

Total marks 30

SECTION 2 – ELECTIVES

Questions 7 to 12

You **MUST** attempt **ONE** question from:

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. Economic Development

- (i) Calculate the difference between the Gross National Income per capita (in dollars) between Haiti and Ireland.
\$27601 **6 marks**
- (ii) How many more years are Irish children expected to spend in school compared to children in India?
7.6 Years **6 marks**
- (iii) Explain briefly why life expectancy at birth is lower in some countries.
Brief explanation:
2 SRP's @ 3 marks each **6 marks**
- (iv) Name the country with the lowest Human Development Index value and name the country with the highest Human Development Index value.
Haiti **3 marks**
Ireland **3 marks**
- (v) List **two** reasons why some countries have higher Human Development Index value than others.
2 reasons @ 3 marks each **6 marks**

Total marks 30

B. Economic Activity and Conflict

- (i) Name **one** example of where the development of economic activities has resulted in conflict arising between people.

Named example

3 marks

- (ii) Describe and explain this conflict.

Description/Explanation:

9 SRP's @ 3 marks each

27 marks

Total marks 30

C. Multinational Company

- (i) Name **one** multinational company that you have studied **and** name **one** location of this multinational company.

Name the MNC

2 marks

State location

2 marks

- (ii) Describe and explain why this multinational company set up at this location.

Description/Explanation:

6 SRP's @ 3 marks each

18 marks

- (iii) Explain **one** reason why this multinational company might decide to locate to another area.

Explanation:

6 SRP's @ 3 marks each

18 marks

Total marks 40

Question 8

A. Energy Use

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

Graph Paper	3 marks
Vertical axis labelled / Circle	3 marks graded (3/1/0)
Horizontal axis labelled / Centred	3 marks graded (3/1/0)
5 Items @ 3 marks each graded	15 marks

- (ii) In your answer book, name **two** sources of renewable energy.

2 sources named @ 3 marks each	6 marks
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Total marks 30

B. Economic Development - Developed Economy

- (i) Name **one** developed economy where tourism **or** financial services contribute to that economy.

One developed economy named	4 marks
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- (ii) Explain reasons for the growth of tourism **or** financial services in the developed economy named.

Explanation:

6 SRP's @ 3 marks each	18 marks
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- (iii) Describe **one** problem resulting from the growth of tourism **or** financial services in the developed economy named.

Problem stated	3 marks
5 SRP's @ 3 marks	15 marks

Total marks 40

C. Ordnance Survey Map

Examine the 1:50000 Ordnance Survey map accompanying this paper.

Imagine you have been given the task of finding a suitable location for a multinational company within the area covered by the map.

- (i) State clearly where you would locate the multinational company using a six-figure grid reference.

Six figure grid reference

6 marks graded (6/4/2/0)

- (ii) Explain **two** reasons in favour of this location.

Reason 1 3 SRP's @ 3 marks each

Reason 2 3 SRP's @ 3 marks each

18 marks

- (iii) Explain **one** disadvantage of this location.

One disadvantage explained:

2 SRP's @ 3 marks each

6 marks

Total marks 30

Question 9

A. Aerial Photograph

Examine the aerial photograph accompanying this paper.

Draw a sketch map of the area shown on the aerial photograph.

On it, **show** and **label** each of the following:

- **Two** connecting streets
- A bridge
- A car park
- An industrial area
- An area of waste ground.

Sketch:

Limits/Frame	1 mark
Proportions	2 marks graded (2/0)
Overall Impression	2 marks graded (2/1/0)
	5 marks total

Five items shown and named as follows:

Showing	3 marks graded (3/1/0)
Naming	2 marks

For an obvious tracing allow 50% of marks obtained for showing and naming items and 0 marks out of 5 for limits, proportion and overall impression.

Total marks 30

B. Environmental Pollution

- (i) Name **one** example of environmental pollution you have studied.
Example Named **4 marks**
- (ii) Explain the cause and effects of this environmental pollution.
Explanation 8 SRP's @ 3 marks each **24 marks**
At least 1 cause and 1 effect to be explained
- (iii) Describe how this environmental pollution could be reduced.
Description 4 SRP's @ 3 marks **12 marks**

Total marks 40

C. European Union Policy

Choose any **one** of the European Union policies listed below. Describe and explain how this policy has impacted on the Irish economy:

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

Description and Explanation:

10 SRP's @ 3 marks each

30 marks

Total marks 30

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Questions 10 to 12

Question 10

A. Aerial Photograph

Examine the aerial photograph accompanying this paper.

Draw a sketch map of the area shown on the aerial photograph.

On it, **show** and **name** the following:

- **Two** connecting streets
- A car park
- A recreational area
- A residential area
- A shopping centre.

Sketch:

Limits/Frame	1 mark
Proportions	2 marks graded (2/0)
Overall Impression	2 marks graded (2/1/0)
	5 marks total

Five items shown and named as follows:

Showing	3 marks graded (3/1/0)
Naming	2 marks

For an obvious tracing allow 50% of marks obtained for showing and naming items and 0 marks out of 5 for limits, proportion and overall impression.

Total marks 30

B. Urban Functions

Describe and explain how the functions and services of urban areas change over time, with reference to example(s) that you have studied.

Example	3 marks
Description/Explanation:	
9 SRP's @ 3 marks each	27 marks

Total marks 30

C. Overpopulation

- (i) Name **one** region that experiences overpopulation.
Region named **4 marks**
- (ii) Explain **one** cause of this overpopulation.
Explanation:
4 SRP's @ 3 marks each **12 marks**
- (iii) Describe the problems that result from overpopulation in this region.
Description:
4 SRP's @ 3 marks each **12 marks**
- (iv) Describe **one** solution to the problem of overpopulation.
Description:
4 SRP's @ 3 marks each **12 marks**

Total marks 40

Question 11

A. Travel and Work

Means of Travel to Work for selected Irish Regions (%)

Region	On Foot	Bicycle	Bus/Train	Motor Cycle	Car	Lorry/Van	Work from home
West	7.9	1.4	2.1	0.2	68.3	9.7	10.4
Dublin	12.8	5.0	19.9	0.9	52.2	3.5	5.7
South East	9.1	0.9	1.3	0.3	69.3	8.9	10.2

Amended from CSO

The table shows the means by which people travel to work in a number of Irish regions. The percentage of people working from home is also included. Examine the table and answer each of the following questions.

- (i) What was the most popular means of travelling to work?
Car **6 marks**
- (ii) Which region had the greatest total percentage of people travelling to work on foot and by bicycle?
Dublin **6 marks**
- (iii) Explain briefly why the Dublin region had the highest percentage of people travelling to work by bus and train.
Brief explanation:
2 SRP's @ 3 marks each **6 marks**
- (iv) List **two** problems that may be experienced in urban areas where a high percentage of people travel to work by car.
Name 2 problems @ 3 marks each **6 marks**
- (v) List **two** ways authorities in urban areas attempt to reduce the number of people travelling to work by car.
Name 2 ways @ 3 marks each **6 marks**

Total marks 30

B. Historic Settlement

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

- (i) Name and locate, using six-figure grid references, **three** different examples of historic settlement evident on the Ordnance Survey map.

For each historic settlement:

3 settlements named @ 2 marks each 6 marks

3 settlements located @ 2 marks each graded (2/1/0) 6 marks

- (ii) Describe and explain each of the examples of historic settlement named in part (i) above.

Settlement 1 Description/Explanation:

2 SRP's @ 3 marks each 6 marks

Settlement 2 Description/Explanation:

2 SRP's @ 3 marks each 6 marks

Settlement 3 Description/Explanation:

2 SRP's @ 3 marks each 6 marks

Total marks 30

C. Developing World City

- (i) Name **one** city in the developing world.

Developing world city named 4 marks

- (ii) Explain the problems experienced in this named city.

Problems explained:

8 SRP's @ 3 marks each 24 marks

- (iii) Describe **one** solution to these problems.

Solution described:

4 SRP's @ 3 marks each 12 marks

Total marks 40

Question 12

A. World Cities

**Population of some of the Most Populous Cities of the World
2012**

City	Population (millions)
Seoul	10
London	8
Manila	12
Istanbul	14

Amended from CIA World Factbook

Examine the data showing the population of four of the most populous cities of the world in 2012.

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

Graph paper 2 marks
Vertical Axis labelled 3 marks graded (3/1/0)
Horizontal Axis labelled 3 marks graded (3/1/0)
4 Items @ 4 marks each graded (4/2/0) 16 marks

- (ii) In your answer book, explain briefly **one** problem associated with large cities.

Explanation:
2 SRP's @ 3 marks each 6 marks

Total marks 30

B. Migration

- (i) State **two** reasons why people migrate from rural areas to urban areas.

State two reasons @ 2 marks each 4 marks

- (ii) Describe and explain the effect of this migration on the urban areas that people migrate to.

Description/Explanation:
6 SRP's @ 3 marks each 18 marks

- (iii) Describe and explain the effect of this migration on the rural areas they leave behind.

Description/Explanation:
6 SRP's @ 3 marks each 18 marks

Total marks 40

C. Development of Towns

Examine the aerial photograph accompanying this paper.

Using evidence from the aerial photograph, explain **three** reasons why the town of Dungarvan developed at its present location.

Aerial Photograph evidence **3 marks**

Reason 1 3 SRP's @ 3 marks each **9 marks**

Reason 2 3 SRP's @ 3 marks each **9 marks**

Reason 3 3 SRP's @ 3 marks **9 marks**

Total marks 30

Appendix 1

List of Geographical Investigation Topics 2014

1. A study of the geomorphic processes of transportation **and** deposition in a fluvial or coastal or glaciated environment.
2. An investigation of the impact of human activity on the geomorphic processes in a fluvial or coastal or glaciated environment.
3. Analysis of the relationship between land-use and traffic flow in a local area.
4. A study of waste management in a local area.
5. Changing demographic patterns in a local area.
6. A study of local weather patterns.

Appendix 2 – 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.

