



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate 2024

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.
- Words, 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.

The table below contains information about annotations used for marking throughout the exam paper.

For certain questions where other annotations are used, these are listed after the marking scheme for the relevant question.

Annotation	Use	Marks (if applicable)
	Valid information	1
	Valid information	2
	Valid information	3
	Valid information	4
	Valid information	5
	Valid information	6
	Surplus information	N/A
	Incorrect answer	0
	Significant part of answer	N/A
	Page seen by examiner / Information not valid	N/A
 /  / 	Valid example / name / reference	3
 /  / 	Annotations relate to point 1 / point 2 / point 3	N/A
	Valid diagram	3

The table below contains information about annotations used for marking the Geographical Investigation.

Annotation	Use	Marks (if applicable)
 /  / 	Valid issue / example of recording / observation	2

Geographical Investigation- Core Unit 3

(Please refer to Appendix 1 for Topics List)

1. Introduction

4 SRP's @ 1m each

Conformity with prescribed length – 1m

Total marks 5

2. Planning

4 SRP's @ 1m each

Conformity with prescribed length – 1m

Total marks 5

3. Gathering of Data

Two Methods/Tasks @ 18m each

Each method/task – 9 SRP's @ 2m each

Allow one SRP for diagram for each Method/Task.

36m

Coherence – 2m graded (2/1/0)

Conformity with prescribed length 2m

4m

Total marks 40

4. Results, Conclusions, Evaluation

Three headings @ 8m each

Each heading: 4 SRP's @ 2m each

24m

Coherence – 4m graded (4/2/0)

Conformity with prescribed length 2m

6m

Total marks 30

5. Organisation and Presentation of Results

Two different methods of presentation.

Each presentation: 5 SRP's @ 2m each

Total marks 20

Breakdown of Presentation Marks

Pie Chart / Trend Graph / Bar Chart / Scatter Graph etc.

X axis labelled / circle	2m
Y axis labelled / centred	2m
Data presented correctly	2m
Data presented correctly	2m
Overall impression	2m graded (2/1/0)

Diagram / Sketch / Map

1 piece of annotated information	Shown 2m + Named 2m
1 piece of annotated information	Shown 2m + Named 2m
Overall impression	2m graded (2/1/0)

Table

Title	2m
Rows labelled	2m
Columns labelled	2m
Data	2m
Overall impression	2m graded (2/1/0)

PART ONE – SHORT-ANSWER QUESTIONS – 100 MARKS ANY TEN QUESTIONS @ 10 MARKS EACH Mark all questions attempted and award ten questions with highest marks.				
Q.1 (i)	D	2m		
	C	2m		
	B	2m		
	A	2m		
(ii)	True	2m	Total 10m	
Q.2 (i)	B	2m		
	A	2m		
(ii)	Sedimentary	2m		
(iii)	Two valid types	2m+2m	Total 10m	
Q.3 (i)	C	2m		
	B	2m		
	A	2m		
	D	2m		
(ii)	False	2m	Total 10m	
Q.4 (i)	B	2m		
	A	2m		
	C	2m		
	D	2m		
(ii)	Erosion	2m	Total 10m	
Q.5	C	2m		
	B	2m		
	A	2m		
	E	2m		
	D	2m	Total 10m	
Q.6 (i)	South west	5m		
(ii)	4.8 km	5m	Total 10m	

Q.7 (i)	18hole golf	2m	
	Parking	2m	
	Standing stone	2m	
(ii)	272(m)	2m	
(iii)	Correctly drawn symbol	2m	Total 10m
Q.8 (i)	True	2m	
(ii)	False	2m	
(iii)	True	2m	
(iv)	True	2m	
(v)	False	2m	Total 10m
Q.9 (i)	A Tertiary	2m	
	B Primary	2m	
	C Secondary	2m	
	D Tertiary	2m	
(ii)	Valid tertiary activity	2m	Total 10m
Q.10	A	2m	
	D	2m	
	B	2m	
	E	2m	
	C	2m	Total 10m
Q.11 (i)	18,572(thousand hectares)	2m	
(ii)	Germany	2m	
(iii)	Sweden	2m	
(iv)	Ireland	2m	
(v)	Valid benefit	2m	Total 10m
Q.12 (i)	Without a loan or mortgage	2m	
(ii)	134 (€)	2m	
(iii)	119,300	2m	
(iv)	Meath County Council	2m	
(v)	Valid example	2m	Total 10m

In 2024 candidates had additional choice on the Leaving Certificate Geography paper. The instructions for Part Two of the ordinary level examination paper were:

You must attempt **THREE** questions. You are not allowed to choose all three questions from the same section. You may choose two questions from the same section if you wish.

- Section 1 – Patterns and Processes in the Physical Environment (Questions 1-3)
- Section 2 – Regional Geography (Questions 4-6)
- Section 3 – Electives (Questions 7-12)

In order to get a total mark for Part Two, the online marking system initially selects the three questions with the highest marks from Part Two and adds them. If all three of these questions are **not** from the same Section, then this is the correct total mark for Part Two, and the Examiner enters NR for an item called Adjust. This leaves the total that the online marking system has initially calculated as it is.

If all three of the questions with the highest marks are from the same Section, then the total of these is invalid due to the required rubric. In these instances, the Examiner enters the appropriate negative mark for the Adjust item, using the following annotations:

Annotation	Use	Marks (if applicable)
	Indicates that marks from the question below are being adjusted from the total	N/A
          	The total of the annotations used is being subtracted from the total	0, -1, -2, -3, -4, -5, -6, -7, -8, -9, -10

Specifically, the Examiner places the A annotation in the top right of the first page on which the question with the third-highest mark was answered, and places the correct combination of numbers beside this A in order to apply the appropriate adjustment. For example, to apply an Adjust mark of -23, an Examiner would place A, -10, -10, -3.

The effect of the Adjust mark is to ensure that the rubric above is applied – that is, that a candidate's total mark for Part Two is the highest combination of valid marks (where the marks of not more than two questions come from the same section).

SECTION 1

PATTERNS AND PROCESSES IN THE PHYSICAL ENVIRONMENT

Questions 1 to 3

All questions carry 100 marks.

Question 1

1A. Ordnance Survey Map

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

Draw a sketch map of the area shown on the Ordnance Survey map.

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

- The coastline
- Chapel Island
- An area of coniferous plantation in the north west of the map
- The **highest** point on the Ordnance Survey map
- The course of the Owvane River from W 031 556 to the coastline.

Sketch Outline:

Limits/Frame	1m
Proportions (landscape)	2m
Overall Impression	2m graded (2/1/0)
Sub-total 5m	

Five items shown and labelled as follows:

Showing	3m graded (3/1/0)
Labelled	2m
Sub-total 25m	

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

Total 30m

1B. Volcanoes

- (i) Name **two** examples of volcanoes.

Two valid volcanoes named @ 2m each **4m**

- (ii) Discuss the positive effects of volcanoes.

Discussion 6SRP's @ 3m each **18m**

- (iii) Discuss the negative effects of volcanoes.

Discussion 6SRP's @ 3m each **18m**

Allow one SRP for relevant annotated diagram.

Relevant information, additional to the text, given on the diagrams can be awarded SRP's.

Total 40m

1C. Human Interaction with Surface Processes

Examine how humans interact with **one** of the following surface processes:

- River processes
- Coastal processes
- Mass movement processes.

Interaction identified **3m**

Explanation 9 SRP's @ 3m each **27m**

Allow a second interaction identified for one SRP.

All further interactions must be explained for SRP's.

Allow one SRP for a named example.

Allow one SRP for relevant annotated diagram.

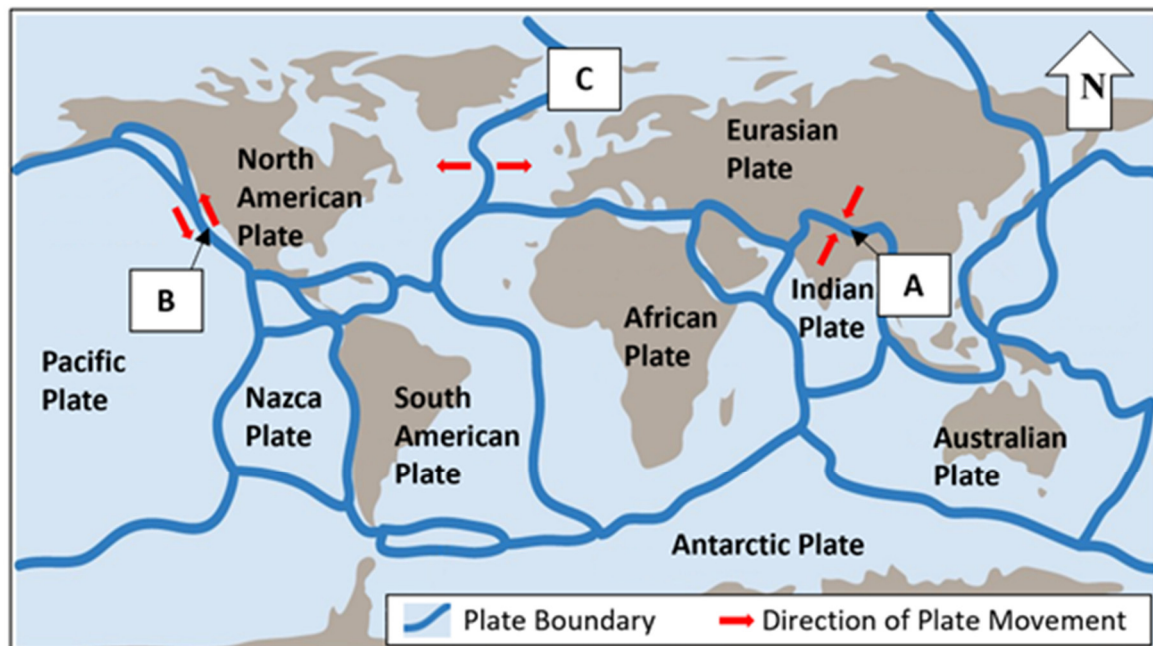
Relevant information, additional to the text, given on the diagrams can be awarded SRP's.

Positive and negative interpretation can be accepted.

Total 30m

Question 2

2A. Plate Tectonics



Amended from www.seismo.ethz.ch

Examine the map of the world above showing plate boundaries and answer each of the following questions.

- (i) Are the plates colliding **or** separating at **A**?
Colliding **3m**
- (ii) Name the **two** plates that are found either side of the plate boundary labelled **A**.
Indian plate and Eurasian plate **3m+3m**
- (iii) What type of plate boundary can be seen at **B**?
Sliding/transverse/passive etc. **3m**
- (iv) Name the most southerly plate labelled on the map.
Antarctic plate **3m**
- (v) Name the ocean ridge that runs along the plate boundary at **C**.
Mid Atlantic ridge **3m**
- (vi) Explain briefly how this ocean ridge was formed.
Brief explanation two SRP's @ 3m each **6m**
- (vii) Explain briefly the process of *subduction*.
Brief explanation two SRP's @ 3m each **6m**

Total 30m

2B. Surface Processes

Answer (i) or (ii)

- (i) Explain, with the aid of diagrams, the formation of any **two** landforms.

Formation of any two landforms @ 20m each.

For each landform:

Landform named	1m
Diagram(s) two aspects @ 2m each	4m
Formation explained 5 SRP's @ 3m each	15m

At least one SRP must explain a relevant process.

Allow one SRP for a named example.

Relevant information, additional to the text, given on diagrams can be awarded SRP's.

Total 40m

Or

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

Any two processes @ 20m each

For each process:

Process stated	2m
Description / Explanation 6 SRP's @ 3m each	18m

At least one SRP for explanation.

Allow a named example for one SRP.

Allow one SRP for relevant annotated diagram.

Relevant information, additional to the text, given on diagrams can be awarded SRP's.

Total 40m

2C. Human Interaction with the Rock Cycle

Describe and explain how humans interact with the rock cycle with reference to **one** of the following:

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

Description / explanation 10 SRP's @ 3m each.

Allow one SRP for a named example.

At least one SRP for explanation.

Allow one SRP for relevant annotated diagram.

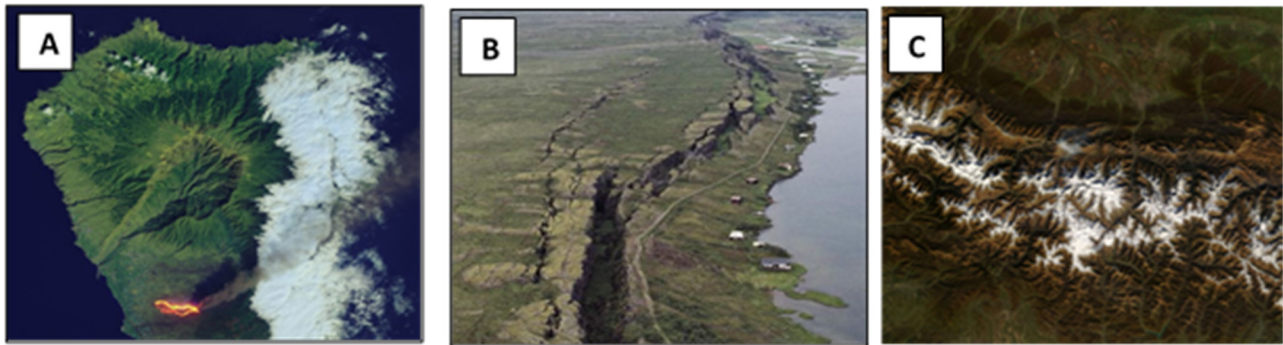
Relevant information, additional to the text, given on the diagrams can be awarded SRP's.

Positive and negative interpretation can be accepted.

Total 30m

Question 3

3A. Surface Processes



Amended from www.earthobservatory.nasa.gov and www.nationalgeographic.org

Examine the photographs above and answer each of the following questions.

- (i) In your answer book, match each of the photographs **A**, **B** and **C** with the landform that best matches it from the list below:
- **C** Mountain range **3m**
 - **A** Volcanic island **3m**
 - **B** Rift valley. **3m**
- (ii) In your answer book, match each of the photographs **A**, **B** and **C** with the process most associated with its formation from the list below:
- **A** Lava cooling **3m**
 - **C** Folding **3m**
 - **B** Faulting. **3m**
- (iii) Name **one** process of physical/mechanical weathering.
- Valid process named** **3m**
- (iv) Name **one** mountain range that you have studied.
- Valid mountain range named** **3m**
- (v) Explain briefly the process of *folding*.
- Brief explanation** **2 SRP's @ 3m each** **6m**

Total 30m

3B. Karst Landscapes

- (i) Name **one** example of a karst landscape.

One example named 4m

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

Feature named 2m

Diagram Two aspects @ 2m each 4m

Explanation 4 SRP's @ 3m each 12m

Allow a named example for one SRP.

Relevant information, additional to the text, given on diagrams can be awarded SRP's.

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

Feature named 2m

Diagram Two aspects @ 2m each 4m

Explanation 4 SRP's @ 3m each 12m

Allow a named example for one SRP.

Relevant information, additional to the text, given on diagrams can be awarded SRP's.

Total 40m

3C. Rocks

- (i) Name **one** example of an igneous rock **and** state **one** location where it can be found.

Igneous rock named 3m

Valid location stated 3m

- (ii) Describe and explain how igneous rocks are formed.

Description/Explanation 8 SRP's @ 3m each 24m

At least one SRP for explanation.

Allow one SRP for relevant annotated diagram.

Relevant information, additional to the text, given on diagrams can be awarded SRP's.

Total 30m

SECTION 2

REGIONAL GEOGRAPHY

Questions 4 to 6

All questions carry 100 marks.

Question 4

4A. Irish Region

Draw a sketch map of Ireland.

On it, show and name each of the following:

- **One** region studied by you
- **One** named river in this region
- **One** named town or city in this region
- **One** named area of relief (upland or lowland) in this region.

Outline of Ireland

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

Region:	Named	2m
	Shown	4m graded (4/2/0)
River:	Named	2m
	Shown	4m graded (4/2/0)
Town/City:	Named	2m
	Shown	4m graded (4/2/0)
Relief (upland/lowland):	Named	2m
	Shown	4m graded (4/2/0)

Total 30m

4B. Economic Activities – Continental / Sub-Continental Region

Explain the development of any **two** of the following with reference to a **Continental / Sub-Continental** region (**not in Europe**) that you have studied:

- The reasons why **tourists** are attracted to the region
- The importance of **manufacturing** to the region
- The development of **transport** in the region.

Region named	1m
Activity 1 explained 7 SRP's @ 3m each	21m
Activity 2 explained 6 SRP's @ 3m each	18m

Total 40m

4C. European Union Expansion

(i) Name **two** countries that have joined the European Union since Ireland joined in 1973.

Two countries named @ 3m each	6m
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(ii) Explain the advantages **and** disadvantages of European Union expansion for Ireland.

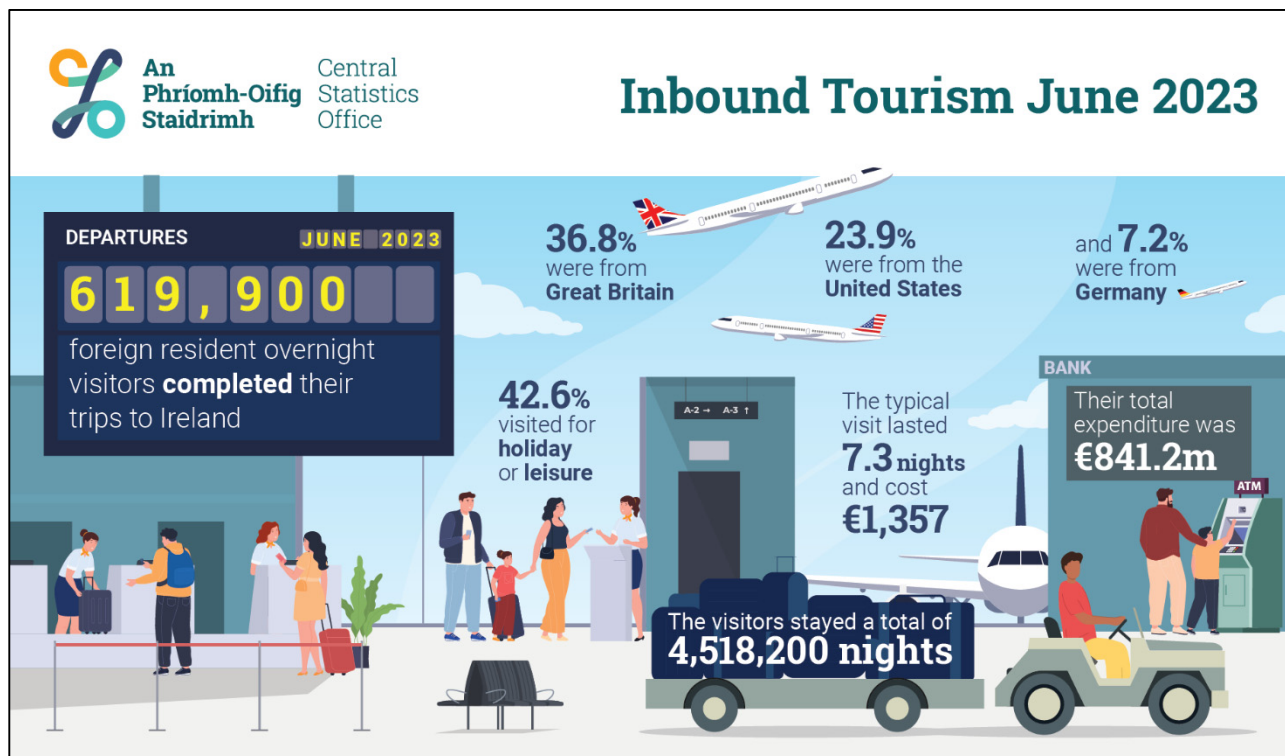
Explanation 8 SRP's @ 3m each	24m
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At least one SRP on advantages AND one SRP on disadvantages needed to gain full marks.

Total 30m

Question 5

5A. Tourism in Ireland



Examine the infographic above which shows information about visitors to Ireland in June 2023 and answer each of the following questions.

- How many foreign resident overnight visitors completed their trips to Ireland in June 2023?
619,900 **3m**
- What was the reason 42.6% of visitors came for?
Holiday or leisure **3m**
- How long did a typical visit last?
7.3 nights **3m**
- How much (in €) did a typical visit cost?
1,357 (€) **3m**
- Calculate the total percentage of visitors that were from Great Britain and the United States combined.
60.7 (%) **6m**
- Name **two** tourist attractions in Ireland.
Two valid tourist attractions named **3m+3m**
- Explain briefly **one** advantage of tourism to the Irish economy.
Brief explanation two SRP's @ 3m each **6m**

Total 30m

5B. Secondary Economic Activity in a European Region

Answer each of the following questions with reference to a **European** region (**not in Ireland**) that you have studied.

- (i) Name **one** example of a secondary economic activity in this region.

One valid secondary economic activity named **4m**

- (ii) Explain the advantages that this region has for the development of this secondary economic activity.

Explanation 9 SRP's @ 3m each **27m**

Allow a named region for one SRP.

- (iii) Describe **one** challenge faced by this secondary economic activity in this region.

Description 3 SRP's @ 3m each **9m**

Total 40m

5C. Urban Regions

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

Description/explanation 10 SRP's @ 3m each

At least one SRP for explanation.

Allow an urban area named for one SRP.

Total 30m

Question 6

6A. European Unemployment

Percentage of People Unemployed in 2010, 2016 and 2022 in Selected EU Countries

	Ireland	Spain	Greece	Germany	Poland	Italy
2010	15.7%	20.4%	14.9%	6.1%	9.8%	8.2%
2016	8.8%	18.6%	23.7%	3.7%	5.5%	11.8%
2022	6.1%	13.0%	11.6%	3.0%	2.8%	7.9%

Amended from www.ec.europa.eu

Examine the table above showing the percentage of people unemployed in selected EU countries in 2010, 2016 and 2022 and answer each of the following questions.

- (i) Which country had the highest percentage of people unemployed in 2010?
Spain **3m**
- (ii) What was the percentage of people unemployed in Poland in 2022?
2.8 (%) **3m**
- (iii) Which **two** countries experienced an increase in the percentage of people unemployed from 2010 to 2016?
Greece and Italy **3m+3m**
- (iv) Calculate the reduction in the percentage of people unemployed in Ireland between 2010 and 2022.
9.6 (%) **6m**
- (v) Explain briefly **one** disadvantage of a high level of unemployment.
Brief explanation two SRP's @ 3m each **6m**
- (vi) Explain briefly **one** way to reduce unemployment levels.
Brief explanation two SRP's @ 3m each **6m**

Total 30m

6B. Primary Economic Activity in an Irish Region

Answer each of the following questions with reference to an **Irish** region that you have studied.

- (i) Name **one** primary economic activity that contributes to the economy of this region.

One valid primary economic activity named **4m**

- (ii) Explain the advantages that this region has for the development of the primary economic activity named in part (i) above.

Explanation 9 SRP's @ 3m each **27m**

Allow a named region for one SRP.

- (iii) Describe **one** problem faced by this primary economic activity in this region.

Description 3 SRP's @ 3m each **9m**

Total 40m

6C. Concept of a region

Describe and explain, using examples, any **two** of the region types listed below:

- Climatic regions
- Geomorphological regions
- Cultural regions defined by language
- Cultural regions defined by religion.

Region type 1

Description/Explanation 5 SRP's @ 3m each **15m**

Region type 2

Description/Explanation 5 SRP's @ 3m each **15m**

At least one SRP for explanation for each region.

Allow an example in each region for one SRP.

Total 30m

SECTION 3

ELECTIVES

Questions 7 to 12

Patterns and Processes in Economic Activities (Questions 7, 8 and 9)

Patterns and Processes in the Human Environment (Questions 10, 11 and 12)

All questions carry 100 marks.

PATTERNS AND PROCESSES IN ECONOMIC ACTIVITIES

Questions 7 to 9

Question 7

7A. Aerial Photograph

Examine the aerial photograph of Bantry accompanying this paper.

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

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

- The coastline
- A church
- An industrial area in the centre foreground
- A car park
- An agricultural area in the right middleground.

Sketch Outline:

Limits/frame	1m
Proportions (landscape)	2m
Overall impression	2m graded (2/1/0)
	Sub-total 5m

Five items shown and labelled as follows:

Showing	3m graded (3/1/0)
Labelled	2m
	Sub-total 25m

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

Total 30m

7B. Multinational Company (MNC)

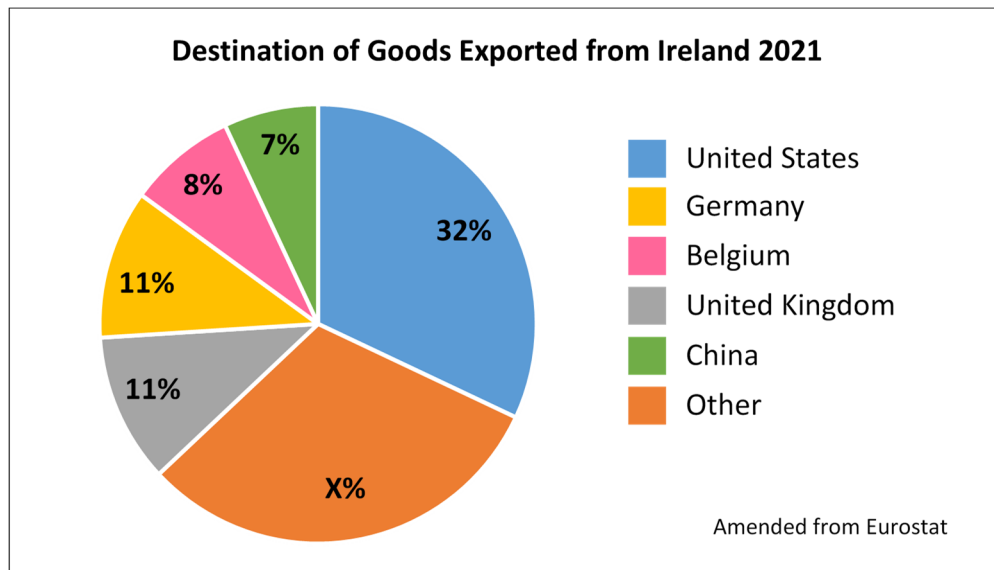
- (i) Name **one** multinational company that you have studied **and** state where this multinational company is located in Ireland.
- | | |
|------------------------------|-----------|
| Valid MNC named | 2m |
| Valid location stated | 2m |
- (ii) Name **one** raw material required by this multinational company **and** name **one** product manufactured by this multinational company.
- | | |
|---------------------------------|-----------|
| Valid raw material named | 3m |
| Valid product named | 3m |
- (iii) Explain the advantages of being located in Ireland for this multinational company.
- | | |
|--------------------------------------|------------|
| Explanation 7 SRP's @ 3m each | 21m |
|--------------------------------------|------------|
- (iv) Explain **one** difficulty facing this multinational company in the future.
- | | |
|--------------------------------------|-----------|
| Explanation 3 SRP's @ 3m each | 9m |
|--------------------------------------|-----------|
- Total 40m**

7C. Ireland and the European Union

- (i) Name any **one** European Union policy which affects Ireland's economy.
- | | |
|------------------------------------|-----------|
| Valid European Union policy | 3m |
|------------------------------------|-----------|
- (ii) Describe and explain the effects of European Union policy(ies) on Ireland's economy.
- | | |
|--|------------|
| Description / Explanation 9 SRP's @ 3m each | 27m |
|--|------------|
- At least one SRP for explanation.**
- Total 30m**

Question 8

8A. Irish Trade



Examine the pie chart above showing the destination of goods exported from Ireland in 2021 and answer each of the following questions.

- (i) Which country did Ireland export 7% of goods to?
China **3m**
- (ii) What percentage of goods went to the United Kingdom?
11 (%) **3m**
- (iii) Calculate **X**, the percentage of goods that went to “Other” export destinations.
31 (%) **6m**
- (iv) Which country received the largest amount of goods from Ireland in 2021?
United States **3m**
- (v) Name **two** goods exported from Ireland.
Two valid goods named **3m+3m**
- (vi) State **one** advantage of exports for the Irish economy.
One valid advantage stated **3m**
- (vii) Explain briefly **one** reason why the amount of goods exported to the UK has fallen since 2020.
Brief explanation two SRP's @ 3m each **6m**

Total 30m

8B. Economic Activity – Environmental Pollution

- (i) Name **one** example of environmental pollution caused by economic activity.

Valid example named **4m**

- (ii) Explain the causes **and** effects of this environmental pollution.

Cause identified one SRP @ 3m each **3m**

Effect identified one SRP @ 3m each **3m**

Explanation 6 SRP's @ 3m each **18m**

- (iii) Describe how this environmental pollution could be reduced.

Description 4 SRP's @ 3m each **12m**

Total 40m

8C. Economic Development – Developed Economy

Describe and explain the development of **one** of the following with reference to a developed economy that you have studied:

- Tourism
- Financial services
- Service and footloose industries.

Named developed economy **3m**

Description/explanation 9 SRP's @ 3m each **27m**

At least one SRP for explanation.

Total 30m

Question 9

9A. Economic Development

**GDP Growth (%)
in Selected Countries 2021**

Country	GDP Growth (%)
Guyana	20
Ireland	14
India	9
China	8
USA	6

Amended from www.imf.org

Examine the data above on GDP growth (%) for selected countries in 2021 and answer each of the following questions.

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

Graph paper 3m

Vertical axis labelled/Circle

3m graded (3/1/0)

Horizontal axis labelled/Centred

3m graded (3/1/0)

5 items @ 3m each graded (3/1/0)

15m

Sub-total 24m

- (ii) In your answer book, explain briefly **one** benefit to a country of economic growth.

Brief explanation 2 SRP's @ 3m each

6m

Total 30m

9B. Ordnance Survey Map

Examine the 1:50 000 Ordnance Survey map and legend accompanying this paper. It is proposed to build a new hotel at the point V 998 506.

- (i) Describe and explain the advantages of this location.

Description/Explanation 5 SRP's @ 3m each **15m**

At least one SRP for explanation.

- (ii) Describe and explain the disadvantages of this location.

Description/Explanation 5 SRP's @ 3m each **15m**

At least one SRP for explanation.

- (iii) Using a six-figure grid reference, suggest an alternative location for the new hotel **and** explain briefly **one** reason why you chose this alternative location.

Valid accepted notation for location **4m**

Brief explanation 2 SRP's @ 3m each **6m**

Total 40m

9C. Economic Activity and Conflict

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

Valid example named **3m**

- (ii) Describe and explain this conflict.

Description and explanation 9 SRP's @ 3m each **27m**

At least one SRP for explanation.

Total 30m

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Questions 10 to 12

Question 10

10A. Ordnance Survey Map

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

Draw a sketch map of the area shown on the Ordnance Survey map.

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

- The coastline
- An area of clustered settlement
- An area of linear settlement
- A golf course
- The R584 regional road.

Sketch Outline:

Limits/frame	1m
Proportions (landscape)	2m
Overall impression	2m graded (2/1/0)
	Sub-total 5m

Five items shown and labelled as follows:

Showing	3m graded (3/1/0)
Labelled	2m
	Sub-total 25m

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

Total 30m

10B. Migration – Rural to Urban

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

Valid reasons stated

2m + 2m

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

Description/explanation 6 SRP's @ 3m each

18m

At least one SRP for explanation.

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

Description/explanation 6 SRP's @ 3m each

18m

At least one SRP for explanation.

Total 40m

10C. Population

'Birth rates and death rates are influenced by many factors including income levels, culture and society and medical technology.'

Describe and explain the factors that influence birth rates and death rates.

Description/explanation 10 SRP's @ 3m each

30m

At least one SRP for explanation.

Total 30m

Question 11

11A. Population

**Percentage of Population Aged Over 65 by
Continent in 2018**

Continent	Percentage of population aged over 65
North America	15%
South America	8%
Africa	3%
Europe	18%
Asia	8%

Amended from www.visualcapitalist.com

Examine the data above on percentage of population aged over 65 by continent in 2018 and answer each of the following questions.

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

Graph paper

3m

Vertical axis labelled/Circle

3m graded (3/1/0)

Horizontal axis labelled/Centred

3m graded (3/1/0)

5 items @ 3m each graded (3/1/0)

15m

Sub-total 24m

- (ii) In your answer book, explain briefly **one** impact of a high percentage of population aged over 65.

Brief explanation 2 SRP's @ 3m each

6m

Total 30m

11B. Developing World City

- (i) Name **one** city in the developing world that is rapidly growing.
Valid developing world city named **4m**
- (ii) Explain the reasons for the rapid growth of this developing world city.
Explanation 6 SRP's @ 3m each **18m**
- (iii) Describe the problems caused by this rapid growth.
Description 3 SRP's @ 3m each **9m**
- (iv) Explain **one** solution to these problems.
Explanation 3 SRP's @ 3m each **9m**

Total 40m

11C. Development of Urban Settlements

Examine the aerial photograph accompanying this paper.

Explain **three** reasons why the town of Bantry developed at this location, using evidence from the aerial photograph to support each reason.

Three reasons @ 10m each **30m**

For each reason:

Aerial photograph evidence **1m**

Explanation 3 SRP's @ 3m each **9m**

Total 30m

Question 12

12A. Urban Growth

Ireland's Largest Towns by Population 2011-2022

Town	2011	2016	2022
Drogheda	38,578	40,956	44,135
Dundalk	37,816	39,004	43,112
Swords	36,924	39,248	40,776
Navan	28,559	30,173	33,886
Bray	31,872	32,600	33,512

Amended from www.cso.ie

Examine the table above about Ireland's largest towns in 2011, 2016 and 2022, and answer each of the following questions.

- (i) What was Ireland's largest town in 2022?

Drogheda

3m

- (ii) What was the population of Swords in 2016?

39,248

3m

- (iii) Which town had a population of less than 30,000 in 2011?

Navan

6m

- (iv) Calculate the growth in Dundalk's population from 2011 to 2022.

5,296

6m

- (v) Explain briefly **one** possible reason for the growth in population of the towns in the table above.

Brief explanation 2 SRP's @ 3m each

6m

- (vi) Explain briefly **one** impact of the growth in population of these towns.

Brief explanation 2 SRP's @ 3m each

6m

Total 30m

12B. Urban Functions

- (i) Name **one** urban area that you have studied.
Valid urban area named **3m**
- (ii) Name any **two** functions of this urban area.
Valid functions named **3m + 3m**
- (iii) Describe and explain how the functions of this urban area have changed over time.
Description/explanation 7 SRP's @ 3m each **21m**
At least one SRP for explanation.

Total 30m

12C. Settlement Distribution

Examine the 1:50 000 Ordnance Survey map and legend accompanying this paper and answer each of the following questions.

- (i) Give a grid reference for an area on the map where there is an **absence** of settlement.
Grid reference **2m**
- (ii) Explain in detail, using evidence from the map, why there is an **absence** of settlement at this location.
Explanation 6 SRP's @ 3m each **18m**
- (iii) Give a grid reference for an area on the map which has a relatively **high** density of settlement.
Grid reference **2m**
- (iv) Explain in detail, using evidence from the map, why there is a relatively **high** density of settlement at this location.
Explanation 6 SRP's @ 3m each **18m**

Total 40m

Appendix 1

List of Geographical Investigation Topics 2024

1. Changing demographic patterns in a local area.
2. Investigate how geology affects the landscape in a local area.
3. Water pollution – A study of a local stream or river.
4. A study of urban change in a local area.
5. The economic **and/or** environmental impact of one economic activity in a local area.
6. Investigate the impact of the geomorphic processes of erosion on the formation of the landscape in a fluvial **or** coastal **or** glacial environment.

Appendix 2



Coimisiún na Scrúduithe Stáit

Marcanna Breise as ucht freagairt trí Ghaeilge

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

N.B. Ba chóir marcanna de réir an ghnáthráta a bhronnadh ar iarrthóirí nach ghnóthaíonn níos mó ná 75% d'iomlán na marcanna don scrúdú. Ba chóir freisin an marc bónaís sin **a shlánú síos**.

Tábla 400 @ 10%

Bain úsáid as an tábla seo i gcás na n-ábhar a bhfuil 400 marc san iomlán ag gabháil leo agus inarb é 10% gnáthráta an bhónais.

Bain úsáid as an ngnáthráta i gcás 300 marc agus faoina bhun sin. Os cionn an mharc 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.

