



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate 2020

Marking Scheme

Geography

Higher 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 2 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 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
	Surplus information	N/A
	Incorrect answer	0
	Significant part of answer	N/A
	Page seen by examiner / Information not valid	N/A

PART ONE – SHORT ANSWER QUESTIONS

Award any 10 questions @ 8 marks each.

Mark all questions attempted and award the 10 questions with highest mark.

No grading.

Q1. (i) Pacific Ring of Fire 2m (ii) A = Eurasian 1m B = African 1m (iii) Transverse/transform 2m (iv) Seismograph/seismometer 2m	Q7. (i) Parking 2m (ii) T 242 729 2m (iii) 6.2 (km) 2m (iv) 36 (km²) 2m
Q2. (i) (a) Shells and fishbones 1m (b) Marble 1m Clay and silt 1m Slate 1m Sand 1m Quartzite 1m (ii) True 2m	Q8. A = Centre / centre middleground 2m B = Right middleground 2m C = Left background 2m D = Left foreground 2m
Q3. (i) D 1m (ii) Fluvial Deposition 1m B 1m Soil Creep 1m C 1m Freeze Thaw Action 1m A 1m Coastal Deposition 1m	Q9. (i) Mixed 2m (ii) M11 2m (iii) 140 (metres) 2m (iv) T 264 760 2m
Q4. (i) D 1m (ii) Glacial Deposition 1m A 1m Glacial Erosion 1m B 1m Glacial Deposition 1m C 1m Fluvio-Glacial Processes 1m	Q10. (i) True 2m (ii) False 2m (iii) True 2m (iv) False 2m
Q5. (i) Geomorphological 1m (ii) The Burren 1m Climatic 1m Mediterranean 1m Core 1m GDA 1m Cultural 1m Basque 1m	Q11. (i) 4,298,800 2m (ii) 2,483,500 2m (iii) 28.3(%) 2m (iv) Two valid ways 1m + 1m
Q6. (i) V-shaped valley 2m River braiding 2m Beach 2m (ii) 266 (metres) 2m	Q12. (i) Ljubljana 2m (ii) 6.1 – 7.0 (°C) 2m (iii) 0.4 (°C) 2m (iv) Two valid examples 1m + 1m

PART TWO – STRUCTURED and ESSAY QUESTIONS – 320 MARKS

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

- **TWO** questions from **Section 1 – Core:**
 - **One** question from Questions 1, 2 and 3 **(80 marks)**
 - AND**
 - **One** question from Questions 4, 5 and 6 **(80 marks)**
- **ONE** question from **Section 2 – Electives (80 marks)**
- **ONE** question from **Section 3 – Options (80 marks)**

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

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 to half scale.

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

- The entire course of the Avoca River
- A feature of coastal deposition
- The entire route of the waymarked walk named the *Glenart Walk*
- The entire area of land above 200 metres at Ballydonnell in the north of the map.

[20m]

Sketch Outline

4 marks (4/0)

4 features @ 4 marks each:

Shown 3 marks (graded 3/1/0)

Label 1 mark

- Sketch outline must be drawn to half scale. Required size is 12cm x 9cm [allow a difference of up to 0.5cm]. The sketch must have four sides drawn.
- If sketch is traced or only a section of the map is drawn, lose 4 marks for sketch outline and lose 3 marks for showing per item. Allow naming marks only.
- If the aerial photograph is used instead of the Ordnance Survey map 0 marks.
- The features may be labelled on the sketch or in a key. If not labelled, 0 marks for showing.
- There must be an attempt to show feature for labelling marks to be awarded. If not shown, 0 marks for labelling. If located incorrectly but labelled correctly, labelling marks can be awarded as there has been an attempt to locate it.
- Showing marks graded 3/1/0. Reasonable accuracy (location and proportion) for full showing marks.
- If there is no attempt to draw the coastline, deduct 2 marks from the total mark.
- Sketch may be on lined paper or on graph paper.

Annotation	Use	Marks
#	No attempt to include coastline on sketch map	- 2

1B. Rocks

Explain the formation of each of the following, with reference to examples that you have studied.

- **One** plutonic igneous rock
- **One** metamorphic rock.

[30m]

One plutonic igneous rock named	2 marks
One metamorphic rock named	2 marks
Explanation of formation of plutonic igneous rock	6/7 x SRP's
Explanation of formation of metamorphic rock	6/7x SRP's

- Credit 1 x SRP per rock type for named location from formation. Location must be linked to named rock.
- Max 1 x SRP for each rock type if merely a description with no reference to formation. Focus of the question is on formation.
- Credit relevant labelled diagram for 1 x SRP. Diagram without labelling 0 marks.
- Credit additional relevant information on labelled diagram for 2 x SRP's. This must be information not already awarded in the written account.
- Information awarded on a diagram, if presented, must be valid and relevant to the set question.
- Question not tied to Ireland.
- If only one rock dealt with max 7 x SRP's.
- Where explanation of formation of more than one plutonic igneous /metamorphic rock given, mark all and award the highest mark.

Annotation	Use	Marks
	Rock named	N/A
	Named location	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid diagram	N/A
 / 	Annotations relate to rock type 1/rock type 2	N/A

1C. Plate Boundaries

Describe and explain constructive plate boundaries.

[30m]

Description/Explanation

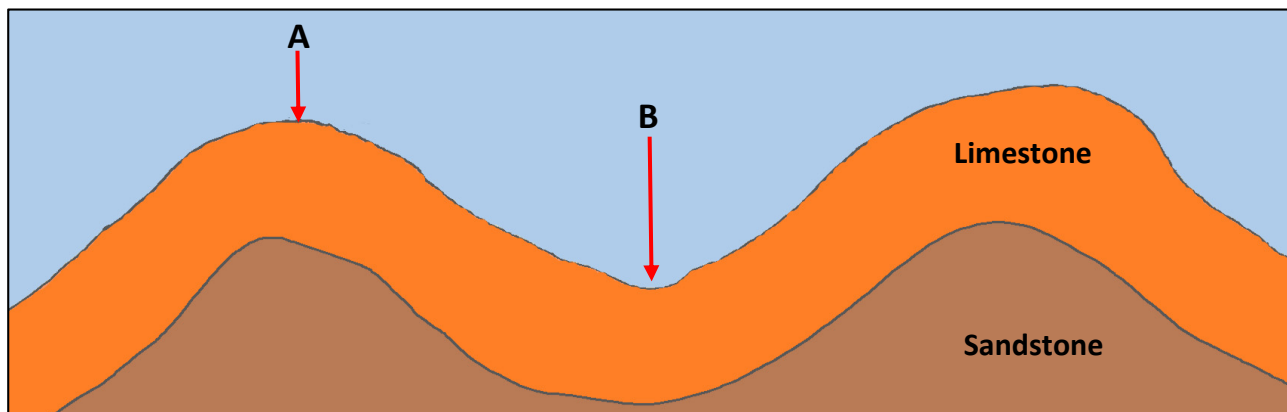
15 x SRP's

- Credit 3 x SRP's for locational examples from description/explanation
- Max 8 x SRP's if merely a description of plate boundaries with no reference to explanation.
- Question requires discussion of constructive plate boundaries. Do not award marks for discussion of destructive or neutral plate boundaries.
- Credit relevant labelled diagram for 1 x SRP. Diagram without labelling 0 marks.
- Credit additional relevant information on a labelled diagram for 2 x SRP's. This must be information not already awarded in the written account.
- Information awarded on a diagram if presented must be valid and relevant to the set question.

Annotation	Use	Marks
Ex	Locational example	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid diagram	N/A

Question 2

2A. Folding and Faulting



Examine the diagram above which shows the impact of folding on layers of rock during the Armorican fold mountain building period. Answer each of the following questions.

- (i) Name the part of a fold, labelled **A**, that forms when layers of rock are pushed upwards.
- (ii) Name the part of a fold, labelled **B**, that forms when layers of rock are pushed downwards.
- (iii) Name **one** Irish mountain range that was formed as part of the Armorican folding.
- (iv) Name a different period of fold mountain building that shaped the Irish landscape over the last 400 million years.
- (v) Explain briefly the term compression as it relates to folding.
- (vi) Name **two** types of fault.
- (vii) Name **two** landscape features formed by faulting.

[20m]

- | | |
|--------------------------------|-------------|
| (i) Anticline | 2 marks |
| (ii) Syncline | 2 marks |
| (iii) Any valid mountain range | 2 marks |
| (iv) Any valid orogeny | 2 marks |
| (v) Valid brief explanation | 2 + 2 marks |
| (vi) Two types named | 2 + 2 marks |
| (vii) Two features named | 2 + 2 marks |

2B. Surface Processes

Answer (i) or (ii)

- (i) Examine the role of the **processes of erosion** on the formation of **one** fluvial landform or **one** coastal landform or **one** glacial landform that you have studied.

[30m]

Process of erosion named	2 marks
Landform named	2 marks
Examination	13 x SRP's

- Credit a 2nd process of erosion named for 1 x SRP from examination. All further reference to processes of erosion requires examination.
- Credit 1 x SRP for example from examination.
- Focus of question is on the impact of the processes of erosion on the formation of one landform. Explanation of processes of deposition 0 marks.
- Credit relevant labelled diagram for 1 x SRP.
- Diagram without labelling 0 marks.
- Credit additional relevant information on labelled diagram for 2 x SRP's. This must be information not already given in the written account.
- Credit a max of 2 x SRP's if merely a description of landform with no reference to formation.
- Question not tied to Ireland.

Annotation	Use	Marks
	Process of erosion named	N/A
	Landform named	N/A
	Example or location	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid diagram	N/A

- (ii) Describe and explain **the factors governing the operation** of **one** mass movement process that you have studied.

[30m]

Mass movement process named 2 marks
 Factors identified 2 + 2 marks
 Description/Explanation of process 12 x SRP's

- All further factors require description/explanation.
- Credit 1 x SRP for example from description/explanation.
- Credit a relevant labelled diagram for 1 x SRP.
- Diagram without labelling 0 marks.
- Credit additional relevant information on a labelled diagram for 2 x SRP's. This must be information not already given in the written account.
- Answer is not tied to Ireland.
- Credit a max of 2 x SRP's if merely a description of mass movement with no reference to factors governing its operation.

Annotation	Use	Marks
N	Process of mass movement named	N/A
I	Factor identified	N/A
Ex	Example	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid diagram	N/A

2C. Weathering

Explain **one** process of physical weathering **and one** process of chemical weathering.

[30m]

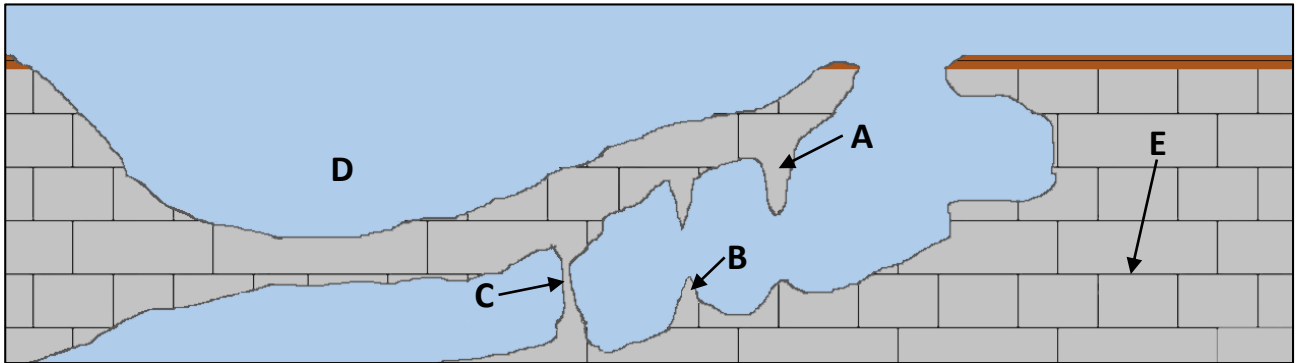
Physical weathering process named	2 marks
Chemical weathering process named	2 marks
Explanation of physical weathering	6/7 x SRP's
Explanation of chemical weathering	6/7 x SRP's

- Credit relevant labelled diagram for 1 x SRP for each process of weathering.
- Credit extra relevant information on labelled diagram to a max of 1 x SRP in total.
- Diagram without labelling 0 marks.
- Question not tied to Ireland.
- If only physical weathering process or chemical weathering process explained max 7 x SRP's.

Annotation	Use	Marks
	Process of weathering named	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid diagram	N/A
 / 	Relates to part 1/part 2 of answer	N/A

Question 3

3A. Karst Landscapes



Examine the diagram above which shows a karst landscape and answer each of the following questions.

- (i) Name the features labelled **A**, **B** and **C** in the diagram above.
- (ii) State whether the following statement is true or false.
A doline is the term that describes the feature formed when a cave system collapses, as shown in the area around D.
- (iii) Name **two** features formed on the surface of a karst landscape.
- (iv) What type of rock is most associated with karst landscapes?
- (v) What is the term given to the horizontal lines found in sedimentary rock, shown at **E**?
- (vi) What type of chemical weathering is most associated with the formation of a karst landscape?
- (vii) State what is meant by the term *permeable rock*.

[20m]

- | | | |
|-------|---------------------------|-------------|
| (i) | A = Stalactite | 2 marks |
| | B = Stalagmite | 2 marks |
| | C = Pillar/column | 2 marks |
| (ii) | True | 2 marks |
| (iii) | Two valid features named | 2 + 2 marks |
| (iv) | Limestone | 2 marks |
| (v) | E = Bedding planes | 2 marks |
| (vi) | Carbonation | 2 marks |
| (vii) | Valid statement | 2 marks |

3B. Isostasy

Describe and explain how isostasy has shaped the Irish landscape.

[30m]

Impact / Feature identified

2 marks

Description/Explanation

14 x SRPs

- Credit 2nd impact/feature identified for 1 x SRP from description/explanation. All further impacts/features require description/explanation.
- Credit two named Irish examples for 2 x SRPs from description/explanation.
- Credit 1 x SRP for relevant labelled diagram.
- Credit extra relevant information on labelled diagram for 2 x SRPs.
- Diagram without labelling 0 marks.
- Accept features of coastal emergence and features of rejuvenation.
- Question is tied to Ireland.
- Max 2 x SRPs if merely a description of isostasy with no reference to impact on Irish landscape.

Annotation	Use	Marks
I	Impact / feature identified	N/A
Ex	Example	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid diagram	N/A

3C. Human Interaction with the Rock Cycle

Humans interact with the rock cycle in a number of ways.

Describe and explain how this interaction with the rock cycle takes place, with reference to **one** of the following:

- Mining
- Extracting building materials
- Oil/gas exploitation
- Geothermal energy production.

[30m]

Description/Explanation

15 x SRP's

- Credit 2 x SRP's for named specific examples. Examples may be a named company, location etc.
- Credit relevant labelled diagram for 1 x SRP. Diagram without labelling 0 marks.
- Credit additional relevant information on a labelled diagram for 2 x SRP's. This must be information not already awarded in the written account.
- Information awarded on a diagram if presented must be valid and relevant to the set question.
- Question is not tied to Ireland.
- Discussion may be positive or negative.

Annotation	Use	Marks
	Example	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid diagram	N/A

REGIONAL GEOGRAPHY

Questions 4 to 6

Attempt **ONE** question.

Question 4

4A. Map Skills

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

On it, show and name each of the following:

- A named river
- The outline of a named feature of relief (upland or lowland)
- **Two** named urban centres.

[20m]

Map outline

4 marks graded (4/2/0)

4 features @ 4 marks each

Shown 2 marks graded (2/1/0)

Named 2 marks

- Do not accept an outline map of an Irish or a European region.
- Accept any valid type of urban centre irrespective of size.
- Outline map may be drawn on lined paper or on graph paper.
- Names may be written on the sketch map or in a key.
- Credit marks for naming of required features if names are valid and correct even if features are not shown or are shown incorrectly.
- Where features are shown but named incorrectly or not named at all, then 0 marks for showing and 0 marks for naming.

4B. Secondary Economic Activity

Examine the development of secondary economic activity in a **European** region (not in Ireland), that you have studied, with reference to **two** of the following factors:

- Raw materials
- Markets
- Infrastructure
- Government policy.

[30m]

Factor 1 examination 8 x SRP's
Factor 2 examination 7 x SRP's

- Credit two specific examples of secondary economic activities for 2 x SRP's from examination.
- Do not accept examination of an Irish or Continental / Sub-Continental region.
- Examination without reference to a named or clearly inferred region 0 marks.
- Max 1 x SRP per factor if merely a description of the factor with no reference to development of secondary economic activity.
- Max 8 x SRP's if only one factor examined.
- Positive or negative interpretation is acceptable.
- A valid labelled sketch map can receive 1 x SRP from examination and if additional relevant information on the sketch not already in the written account it can receive a further 1 x SRP.

Annotation	Use	Marks
Ex	Example of secondary economic activity	N/A
✓₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid sketch map	N/A
P1 / P2	Annotations relate to factor 1/ factor 2	N/A

4C. Urban Development

Examine the factors that have influenced the development of **one** urban area in an **Irish** region that you have studied.

[30m]

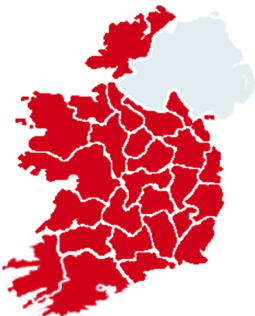
Urban area named	2 marks
Factors identified	2 + 2 marks
Examination	12 x SRP's

- Credit a third factor identified for 1 x SRP from examination. All further factors require examination.
- Do not accept an urban area in a European or Continental region.
- Accept any valid type of urban area or part there of irrespective of size.
- Discussion without reference to a named or clearly inferred urban area 0 marks.
- Examination can be based on positive or negative interpretation of development.
- Credit a valid labelled sketch map for 1 x SRP from examination.
- Credit additional relevant information on the sketch map for a further 1 x SRP. This must be information not already awarded in the written account.
- Information awarded on a sketch map if presented must be valid and relevant to the set question.

Annotation	Use	Marks
	Urban area named	N/A
	Factor identified	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid sketch map	N/A

Question 5

5A. Tourism

Trips to Dublin	Trips to the West	Trips to Republic of Ireland
		
• There were 5.9 million overseas tourists who spent €2 billion. • There were 1.5 million trips taken by Irish residents who spent €307 million.	• There were 1.9 million overseas tourists who spent €694 million. • There were 1.6 million trips taken by Irish residents who spent €353 million.	• There were 9 million overseas tourists who spent €4.9 billion. • There were 9.6 million trips taken by Irish residents who spent €1.9 billion.

Amended from Fáilte Ireland

Examine the graphic above showing Irish tourism data for 2017 and answer each of the following questions.

- How many trips were taken by Irish residents within the Republic of Ireland in 2017?
- How much money (in € million) did overseas tourists spend on trips to the West?
- What percentage of overseas tourists that visited the Republic of Ireland visited Dublin?
- Explain briefly **two** reasons why more overseas tourists visited Dublin than visited the West.
- Explain briefly **one** challenge facing the Irish tourist industry.

[20m]

- | | | |
|-------|------------------------------|-------------|
| (i) | 9.6 million | 2 marks |
| (ii) | 694 (€ million) | 2 marks |
| (iii) | 65.6 (%) | 4 marks |
| (iv) | Two valid brief explanations | 2 + 2 marks |
| | | 2 + 2 marks |
| (v) | Valid brief explanation | 2 + 2 marks |

5B. Population Dynamics

Account for population distribution throughout a **Continental / Sub-Continental** region (not in Europe) that you have studied.

[30m]

Examination

15 x SRP's

- Credit two named locations within the region for 2 x SRP's from examination.
- Credit reference to factors affecting population distribution for 2 x SRP's from examination.
- Do not accept an examination of an Irish or European region.
- Examination without reference to a named or clearly inferred region 0 marks.
- Max 2 x SRP's if merely a description of population distribution without explanation.
- A valid labelled sketch map can receive 1 x SRP from examination and if additional relevant information on the sketch not already in the written account it can receive a further 1 x SRP.

Annotation	Use	Marks
	Named location	N/A
	Reference to factor affecting population distribution	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid sketch map	N/A

5C. Socio-Economic Regions

Discuss how economic activity in core regions differs from economic activity in peripheral regions.

[30m]

Discussion

15 x SRP's

- Credit one named core region for 1 x SRP from discussion.
- Credit one named peripheral region for 1 x SRP from discussion.
- Allow 2 x SRP for examples of economic activity.
- Accept discussion of one or more economic activity.
- Accept discussion of all types of economic activity i.e. Primary, Secondary and Tertiary.
- Max 2 x SRPs for mere description of economic activity in either core or peripheral regions.
- A valid labelled sketch map can receive 1 x SRP from examination and if additional relevant information on the sketch not already in the written account it can receive a further 1 x SRP.

Annotation	Use	Marks
	Named region	N/A
	Example of economic activity	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A
	Valid sketch map	N/A

Question 6

6A. Economic Activity

Employment in Foreign Multinational Companies (MNCs) Operating in Ireland
and Total Employment in Ireland, 2013-2017

Year	MNC Employment (in thousands)	MNC Employment Growth %	Total Employment (in thousands)	Share of Total Employment Attributed to MNCs
2013	300	1.0%	1,971	15.0%
2014	302	0.7%	2,025	14.9%
2015	304	0.8%	2,085	14.6%
2016	311	2.2%	2,164	X
2017	318	2.3%	2,231	14.3%

Amended from CSO

Examine the table above showing information on foreign multinational companies (MNCs) operating in Ireland and total employment in Ireland and answer each of the following questions.

- In what year was there a 0.7% growth in employment in MNCs?
- What was the total employment (in thousands) in 2017?
- Calculate **X**, the percentage share of total employment attributed to MNCs in 2016.
- Explain briefly **two** reasons why MNCs are attracted to set up in Ireland.
- Explain briefly **one** challenge facing MNCs located in Ireland.

[20m]

- | | | |
|-------|------------------------------|-------------|
| (i) | 2014 | 2 marks |
| (ii) | 2,231 | 2 marks |
| (iii) | 14.4 (%) | 4 marks |
| (iv) | Two valid brief explanations | 2 + 2 marks |
| | | 2 + 2 marks |
| (v) | Valid brief explanation | 2 + 2 marks |

6B. Primary Economic Activity

Examine the physical factors that influence the development of agriculture in **two** contrasting **Irish** regions that you have studied.

[30m]

Physical factors identified 2 + 2 marks
Examination 13 x SRP's

- Credit one example of a type of agriculture for 1 x SRP.
- Only accept examination of the influence of physical factors on the development of agriculture.
- Max 2 x SRP's if merely a description of the agriculture with no reference to the physical factors influencing its development.
- Max 2 x SRP's if merely a description of the physical factors with no reference to the influence on the development of agriculture.
- Max 7 SRPs if only one region examined.
- Do not accept examination of a European or Continental / Sub-Continental region.
- Examination without link to a named or clearly inferred region 0 marks.
- A valid labelled sketch map can receive 1 x SRP from examination and if additional relevant information on the sketch not already in the written account it can receive a further 1 x SRP.
- Accept a positive or negative approach to the influence of factors on the development of agriculture.

Annotation	Use	Marks
I	Physical factor identified	N/A
Ex	Example of type of agriculture	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid sketch map	N/A

6C. Concept of a Region

Examine how **one** of the following can be used to define cultural regions, with reference to example(s) that you have studied.

- Language
- Religion.

[30m]

Example of region defined by language/religion
Examination

2 marks
14 x SRP's

- Credit second example of a region defined by language/religion for 1 x SRP from examination.
- Credit one specific language/religion named for 1 x SRP.
- Credit a valid labelled sketch map for 1 x SRP from examination.
- Credit additional relevant information on the sketch map for a further 1 x SRP. This must be information not already awarded in the written account.
- Information awarded on a sketch map if presented must be valid and relevant to the set question.
- Positive or negative interpretation is acceptable.

Annotation	Use	Marks
Ex	Example of region defined by language/religion	N/A
N	Language/religion named	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid sketch map	N/A

SECTION 2 – ELECTIVES

Questions 7 to 12

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

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

OR

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

All questions carry 80 marks.

PATTERNS AND PROCESSES IN ECONOMIC ACTIVITIES

Questions 7 to 9

Question 7

7A. Ordnance Survey Map

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

Draw a sketch map to half scale of the Ordnance Survey map.

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

- The built up area of Arklow south of the Avoca River
- The entire route of the M11 motorway
- The entire route of the railway line
- The Post Office in Arklow.

[20m]

Sketch Outline

4 marks (4/0)

4 features @ 4 marks each:

Shown 3 marks (graded 3/1/0)

Label 1 mark

- Sketch outline must be drawn to half scale. Required size is 12cm x 9cm [allow a difference of up to 0.5cm]. The sketch must have four sides drawn.
- If sketch is traced or only a section of the map is drawn, lose 4 marks for sketch outline and lose 3 marks for showing per item. Allow naming marks only.
- If the aerial photograph is used instead of the Ordnance Survey map 0 marks.
- The features may be labelled on the sketch or in a key. If not labelled, 0 marks for showing.
- There must be an attempt to show feature for labelling marks to be awarded. If not shown, 0 marks for labelling. If located incorrectly but labelled correctly, labelling marks can be awarded as there has been an attempt to locate it.
- Showing marks graded 3/1/0. Reasonable accuracy (location and proportion) for full showing marks.
- If there is no attempt to draw the coastline, deduct 2 marks from the total mark.
- Sketch may be on lined paper or on graph paper.

Annotation	Use	Marks
#	No attempt to include coastline on sketch map	- 2

7B. Multinational Company

Examine how globalisation impacts on world trade with reference to the operations of **one** multinational company that you have studied.

[30m]

Multinational company named	2 marks
Impact of globalisation on world trade identified	2 marks
Examination	13 x SRP's

- Credit 2nd impact identified for 1 x SRP from examination. All further impacts require examination.
- Discussion without link to a named multinational company max 2 x SRP's.
- Max 2 x SRP's if merely a description of a multinational company.
- The multinational company need not be an Irish based company. Question not tied to Ireland.

Annotation	Use	Marks
	Multinational company named	N/A
	Impact of globalisation on world trade identified	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A

7C. Ireland and the European Union

Examine the impact of membership of the European Union on the Irish economy.

[30m]

Impact identified	2 marks
Examination	14 x SRPs

- Credit 2nd impact identified for 1 x SRP from examination. All other impacts require examination.
- Credit one named policy for 1 x SRP from examination, all other policies require examination.
- Max 2 x SRPs for mere discussion without reference to impact on Irish economy.
- Accept both positive and negative viewpoints within the discussion.

Annotation	Use	Marks
	Impact of identified	N/A
	Policy named	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A

Question 8

8A. Government Debt

Eurozone Government Debt Per Person, 2019

Country	Government Debt per person (€ thousands)
Eurozone Average	29
Ireland	43
Greece	30
Spain	25
Italy	38
Belgium	40

Amended from www.debtclocks.eu

Examine the data above showing the government debt of Eurozone countries as an average per person and answer each of the following questions.

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

Bar Chart

Title	2 marks
Vertical axis named	1 mark
Horizontal axis named	1 mark
6 items illustrated	2 marks each graded (2/1/0)

- Accept any suitable graph / chart.
- Naming of graph / chart type is not sufficient for title marks. The title must have reference to chart content and it can be written anywhere on the graph.
- If graph paper is not used deduct 2 marks from total.
- Apply the 2 marks graded if the numbered spaces and the column widths are not plotted accurately.

Annotation	Use	Marks
#	Graph paper not used	- 2

- (ii) Explain briefly **one** reason why Ireland's government has a large debt.

Valid explanation 2 + 2 marks

[20m]

8B. Developing Economy

Examine the impact of global trading patterns on **one** developing economy you have studied.

[30m]

Developing economy named 2 marks
Impact identified 2 marks
Examination 13 x SRPs

- Credit 2nd impact identified for 1 x SRPs from examination.
- All further impacts require examination.
- Discussion without reference to a named developing economy max 2 x SRPs.
- Discussion without reference to global trading patterns max 2 x SRPs.

Annotation	Use	Marks
N	Developing economy named	N/A
I	Impact identified	N/A
✓₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A

8C. Location of Economic Activity

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

Discuss **three** reasons why the Arklow area is a suitable location for the development of tourism. Use evidence from **both** the aerial photograph **and** the Ordnance Survey map to support your answer.

[30m]

Three reasons @ 10 marks each

For each reason:

Reason stated 2 marks

Aerial photograph **OR** OS map evidence 2 marks

Examination 3 x SRP's

- All map/photo evidence and discussion must be linked to tourism.
- A minimum of one reference to the Ordnance Survey map and one reference to the aerial photograph is required.
- Accept a max of two reasons on different modes of transport.
- Accept any forms of transport (road, rail, river, sea etc.).

Annotation	Use	Marks
N	Reason stated	N/A
Loc	Aerial photograph or OS map evidence	N/A
✓₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
P1 / P2 / P3	Annotations relate to reason 1/ reason 2/reason 3	N/A

Question 9

9A. Measuring Development

Human Development Index (HDI) for Selected Countries

	1990	2000	2010	2017
Norway	0.85	0.917	0.942	0.953
Ireland	0.763	0.857	0.909	0.938
Brazil	0.611	0.684	0.727	0.759
China	0.502	0.594	0.706	0.752
Syria	0.562	0.59	0.644	0.536
Sierra Leone	0.275	0.284	0.385	0.419

Amended from www.hdr.undp.org

Examine the table above showing the Human Development Index (HDI) for selected countries between 1990 and 2017 and answer each of the following questions.

- What was the Human Development Index in China in 2000?
- Which country had the highest Human Development Index in 2017?
- Calculate the difference between the Human Development Index in Brazil in 2017 and Sierra Leone in 2017.
- Name the country where the Human Development Index went down between 2000 and 2017 **and** state **one** possible reason for this decrease.
- Name **two** indicators used to calculate a country's Human Development Index.
- Explain briefly **one** advantage of using the Human Development Index as a measure of economic development.

[20m]

- 0.594 2 marks
- Norway 2 marks
- 0.34 4 marks
- Syria 2 marks
Valid reason stated 2 marks
- Two indicators named 2 + 2 marks
- Valid explanation 2 + 2 marks

9B. Economic Activity in a Developed Economy

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

- Footloose industries
- Financial services
- Mass tourism.

[30m]

Developed economy named 2 marks
Examination 14 x SRP's

- Credit 1 x SRP for example of the activity from examination.
- Examination without reference to a named developed economy max 2 x SRP's.
- Examination of a developing economy 0 marks.
- If more than one developed economy examined, mark each separately and award the highest mark.
- Max 2 x SRP's if merely a description of the activity with no reference to the development of the activity.

Annotation	Use	Marks
	Developing economy named	N/A
	Example of the activity	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A

9C. Environmental Impact

Examine the environmental impacts of burning fossil fuels.

[30m]

Environmental Impacts identified 2 + 2 marks
Examination 13 x SRPs

- All further impacts require examination.
- Credit one example of a named fossil fuel for 1 x SRP from examination.
- Examination without reference to the environmental impact, max 2 SRPs.

Annotation	Use	Marks
	Environmental impact identified	N/A
	Example of fossil fuel	N/A
	Valid information worth 2 marks	2
	Surplus SRP	N/A

PATTERNS AND PROCESSES IN THE HUMAN ENVIRONMENT

Questions 10 to 12

Question 10

10A. Aerial Photograph

Draw a sketch map of the aerial photograph, half the length and half the breadth.

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

- The river
- The bridge
- The running track in the middleground
- The lake in the left foreground.

[20m]

Sketch Outline

4 marks (4/0)

4 features @ 4 marks each

Shown 3 marks (graded 3/1/0)

Named 1 mark

- Sketch outline must be drawn half the length and half the breadth. The measurements required are 13.9 cm by 9.1 cm but allow 0.5 cm difference on each side. The sketch must have four sides drawn.
- If sketch is traced or only a section of the aerial photograph is drawn, lose 4 marks for sketch outline and lose 3 marks for showing per item. Allow naming marks only.
- If Ordnance Survey map is used instead of the aerial photograph 0 marks.
- The features must be labelled on the sketch or in a key. If not labelled, 0 marks for showing.
- There must be an attempt to show feature for naming marks to be awarded
- If there is no attempt to draw the coastline, deduct 2 marks from the total mark.
- Sketch may be drawn on the lined paper or on graph paper.

Annotation	Use	Marks
#	No attempt to include coastline on sketch map	- 2

10B. Future Urbanism

Discuss **two** issues facing cities of the future.

[30m]

Two issues identified 2m + 2m
Discussion of issue one 7/6 x SRP's
Discussion of issue two 7/6 x SRP's

- Credit 1 x SRP for example of a city. This can be a city or part there of irrespective of size.
- Discussion can relate to cities in the developed or the developing world or both.
- Take broad interpretation of issues facing cities of the future.

Annotation	Use	Marks
I	Issue identified	N/A
Ex	Example of city	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
P1 / P2	Annotations relate to issue 1/issue 2	N/A

10C. Migration

Describe and explain changing patterns of migration in Ireland since 1950.

[30m]

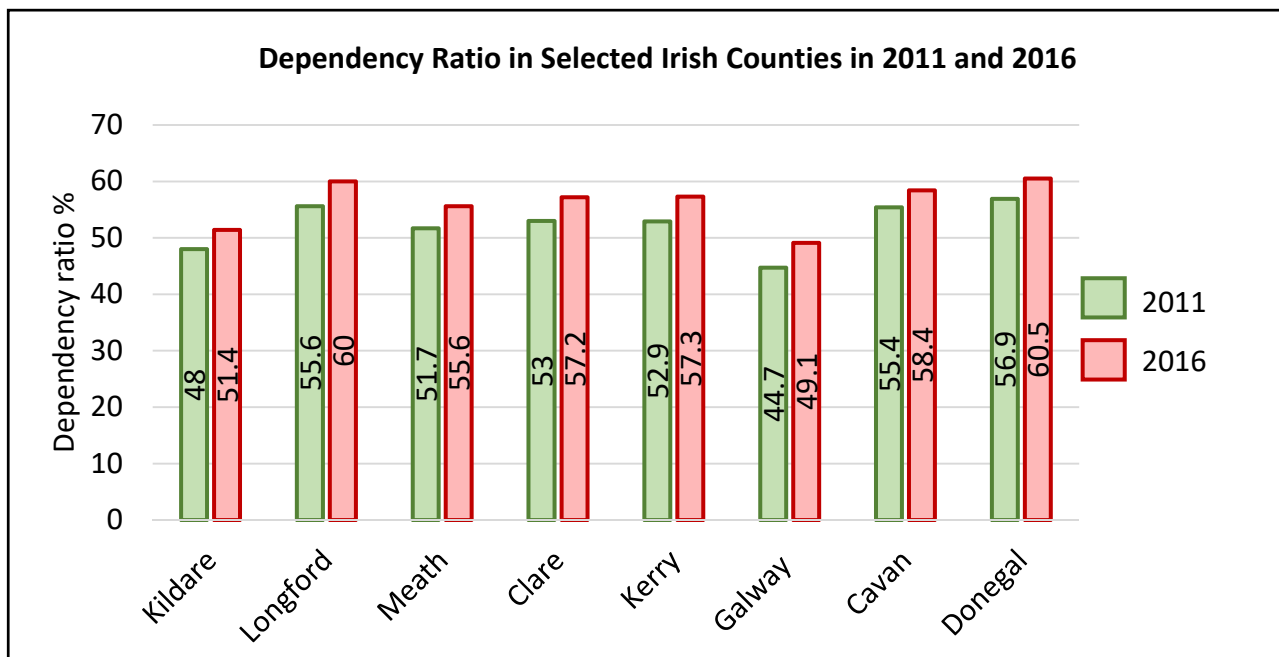
Changing patterns identified 2 + 2 marks
Examination 13 x SRPs

- All further changes in patterns of migration require discussion.
- Changes must apply to patterns of migration in Ireland since 1950.
- If description of changes in patterns of migration with no explanation max 7 x SRP's.

Annotation	Use	Marks
I	Changing pattern identified	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A

Question 11

11A. Irish Population



Amended from CSO

Examine the chart above which shows the dependency ratio of selected Irish counties in 2011 and 2016 and answer each of the following questions.

- (i) What was the dependency ratio (%) for Longford in 2011?
- (ii) Which county had the lowest dependency ratio in 2016?
- (iii) Calculate the difference in the dependency ratios (%) for Kildare and Donegal in 2016.
- (iv) Explain briefly **one** reason why dependency ratios in urban areas are usually lower than in rural areas.
- (v) Explain briefly **two** effects of an increase in the dependency ratio.

[20m]

- | | | |
|-------|------------------------------|-------------|
| (i) | 55.6 (%) | 2 marks |
| (ii) | Galway | 2 marks |
| (iii) | 9.1 (%) | 4 marks |
| (iv) | Valid brief explanation | 2 + 2 marks |
| (v) | Two valid brief explanations | 2 + 2 marks |
| | | 2 + 2 marks |

11B. Urban Expansion

As cities expand they impact on the surrounding areas.

Discuss this statement with reference to example(s) that you have studied

[30m]

Impact identified 2m
Example 2m
Discussion 13 x SRP's

- Credit second impact or second example for 1 x SRP from discussion. All further impacts/examples must be discussed.
- Examples can be a named city or rural areas.
- Discussion of the growth and expansion of cities with no reference to impact on surrounding areas max 2 x SRP's.

Annotation	Use	Marks
I	Impact identified	N/A
Ex	Example	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A

11C. Rural Settlement Patterns

With reference to the 1:50 000 Ordnance Survey map accompanying this paper, describe and explain **three** different rural settlement patterns evident on the map.

[30m]

Three patterns @ 10 marks each

For each pattern:

Pattern named 2 marks

Map reference/evidence 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 rural settlement pattern only.
- If there is no map reference or the map reference is incorrect, credit may be given for naming the pattern and valid examination.

Annotation	Use	Marks
N	Pattern named	N/A
REF	Map reference/evidence	N/A
✓₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
P1 / P2 / P3	Annotations relate to pattern 1/ pattern 2/ pattern 3	N/A

Question 12

12A. Migration

Nationality of Asylum Seekers in Ireland in the first nine months of 2019

Nationality of applicants	% of total applications
Albania	23%
South Africa	7%
Zimbabwe	8%
Georgia	15%
Nigeria	7%
Other	40%

Amended from www.ipo.gov.ie

Examine the data above showing the nationality of asylum seekers to Ireland in the first nine months of 2019 and answer each of the following questions.

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

	Bar Chart	Pie Chart
Title	2 marks	2 marks
Vertical axis named	1 mark	1 + 1 mark (Circle & Centred)
Horizontal axis named	1 mark	
6 items illustrated	2 marks each graded (2/1/0)	2 marks each graded (2/1/0)

- Accept any suitable graph / chart.
- Naming of graph / chart type is not sufficient for title marks. The title must have reference to chart content and it can be written anywhere on the graph.
- If graph paper is not used deduct 2 marks from total.
- Apply the 2 marks graded if the numbered spaces and the column widths are not plotted accurately.

Annotation	Use	Marks
#	Graph paper not used	- 2

(ii) Explain briefly **one** reason why people apply for asylum.

Valid explanation 2 + 2 marks

[20m]

12B. Urban Planning

Examine the effectiveness of urban planning strategies with reference to example(s) that you have studied.

[30m]

Effect identified	2 marks
Example	2 marks
Examination	13 x SRP's

- Credit 2nd effect identified for 1 x SRP. All further effects require examination.
- Discussion without reference to urban planning strategies max 2 x SRPs.
- Max 2 x SRPs for description of urban planning strategies without referring to their effectiveness.

Annotation	Use	Marks
I	Effect identified	N/A
Ex	Example	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A

12C. Population

Examine the influence/impact of any **one** of the following factors on levels of population growth, with reference to example(s) that you have studied:

- Income levels
- Society and culture
- Technology.

[30m]

Influence/impact identified	2 marks
Example of location	2 marks
Examination	13 x SRP's

- Credit 2nd influence/impact identified for 1 x SRP from examination.
- All further influences/impacts must be examined.
- Discussion without reference to influence/impact on population growth max 2 x SRP's.
- Positive or negative interpretation is acceptable.

Annotation	Use	Marks
I	Influence/impact identified	N/A
Ex	Example of location	N/A
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A

SECTION 3 – OPTIONS

Questions 13 to 24

Attempt **ONE** question.

All questions carry 80 marks.

Note: 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.

Questions 13 - 24

Outline Marking Scheme and Overall Coherence (OC) marking descriptors

Outline Marking Scheme:

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

Marking Descriptors Overall Coherence (OC):

In awarding Overall Coherence (OC) the examiner will consider how well the candidate deals with the set question and will follow the following marking descriptors:

*Overall Coherence (20 marks)		
Excellent	20	Excellent ability to relate knowledge to the set question. Excellent, comprehensive response demonstrating detailed knowledge of subject matter.
Very Good	17	Considerable strength in relating the knowledge to the set question. Very good response demonstrating very broad knowledge of the subject matter.
Good	14	Reasonable capacity to relate knowledge appropriately to the set question. Good response with worthwhile information. Broad knowledge of the subject matter demonstrated.
Fair	10	Some effort to relate knowledge to the set question. Some relevant information presented but insufficient application of information to set question.
Weak	6	Very limited engagement with set question. Identified some relevant information.
Poor	0	Failure to address the question resulting in a largely irrelevant answer.

The following annotations are used in Questions 13-24

Annotation	Use	Marks
✓ ₃ / ✓ ₄	Aspect identified	3 / 4
✓ ₂	Valid information worth 2 marks	2
✓	Surplus SRP	N/A
Dg	Valid illustration	N/A
Ex	Valid example	N/A
The following are used when marking the Overall Coherence		
EXC	Excellent	20
VG	Very Good	17
GD	Good	14
F	Fair	10
W	Weak	6
P	Poor	0

Global Interdependence

Note: 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.

13. Examine the contribution that fair trade can make to sustainable development.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is the contribution that fair trade can make to sustainable development.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

14. Empowering people is a way of linking economic growth with human development.

Discuss this statement with reference to any **two** of the following:

- National debt
- Aid programmes
- Land ownership patterns
- Differing gender roles in society.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how empowering people is a way of linking economic growth with human development.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

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

Examine this statement with reference to each of the following:

- Global environmental issues
- Impact of social and political decisions.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how actions and decisions taken in one area impact on other areas.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

Geoecology

Note: 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.

16. Discuss how human activity can have both positive and negative impacts on soil.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how human activity can have both positive and negative impacts on soil.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

17. Describe and explain the general composition and characteristics of any **one** soil type.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on the the general composition and characteristics of a soil type.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

- 18.** Describe the specific climatic characteristics experienced in **one** biome that you have studied **and** examine the impact of these specific climatic characteristics on soils and vegetation in this biome.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on firstly describing the specific climate characteristics and then examining the impact of these on the development of soils and vegetation.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

Culture and Identity

Note: 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.

19. Examine the strategies that have been or could be implemented to aid the survival of minority languages.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on strategies to aid the survival of minority languages.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

- 20.** Identity as a concept entails a variety of cultural factors.
Discuss this statement with reference to a case study of a European region that you have studied.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how identity is shaped by a variety of cultural factors in a European region.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

- 21.** Many states have different cultural groups within their borders.
Discuss.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how different cultural groups exist within states.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

The Atmosphere – Ocean Environment

Note: 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.

22. Examine how climate characteristics influence economic development.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on the impact of climate characteristics on economic development.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

23. Circulation in both the atmosphere and the oceans gives rise to different weather patterns. Discuss.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how the movement of air and sea result in different weather patterns.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

- 24.** Climate characteristics change over time and space.
Discuss.

[80m]

Number of aspects	3 @ 20 marks each	4 @ 15 marks each
For each aspect:		
Identifying aspect	4 marks	3 marks
Discussion	8 x SRP's	6 x SRP's
Overall Coherence	20 marks graded*	20 marks graded*

- Focus of the question is on how climate characteristics change over time and space.
- Select scheme according to number of aspects discussed.
- Allow for up to 3 examples to a max of 3 x SRP's from discussion (different examples and in different aspects).
- Allow for up to 2 labelled illustrations to a max of 2 x SRP's from discussion (different illustrations and in different aspects).

Appendix 1



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 ngnóthaíonn níos mó ná 75% d'iomlán na marcanna don scrúdú. Ba chóir freisin an marc bónais 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

