



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Examination 2024

Geography

Part Two

Ordinary Level

Friday 7 June

Morning 9:30 – 12:20

400 marks

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PART TWO – STRUCTURED QUESTIONS – 300 MARKS

You must attempt **THREE** questions. You must answer one question from two different sections below.

- 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)

The third question can be from any section.

All questions carry equal marks.

THESE QUESTIONS ARE TO BE ANSWERED IN THE ANSWERBOOK CONTAINING PART ONE

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.

[30m]

1B. Volcanoes

- (i) Name **two** examples of volcanoes.
- (ii) Discuss the positive effects of volcanoes.
- (iii) Discuss the negative effects of volcanoes.

[40m]

1C. Human Interaction with Surface Processes

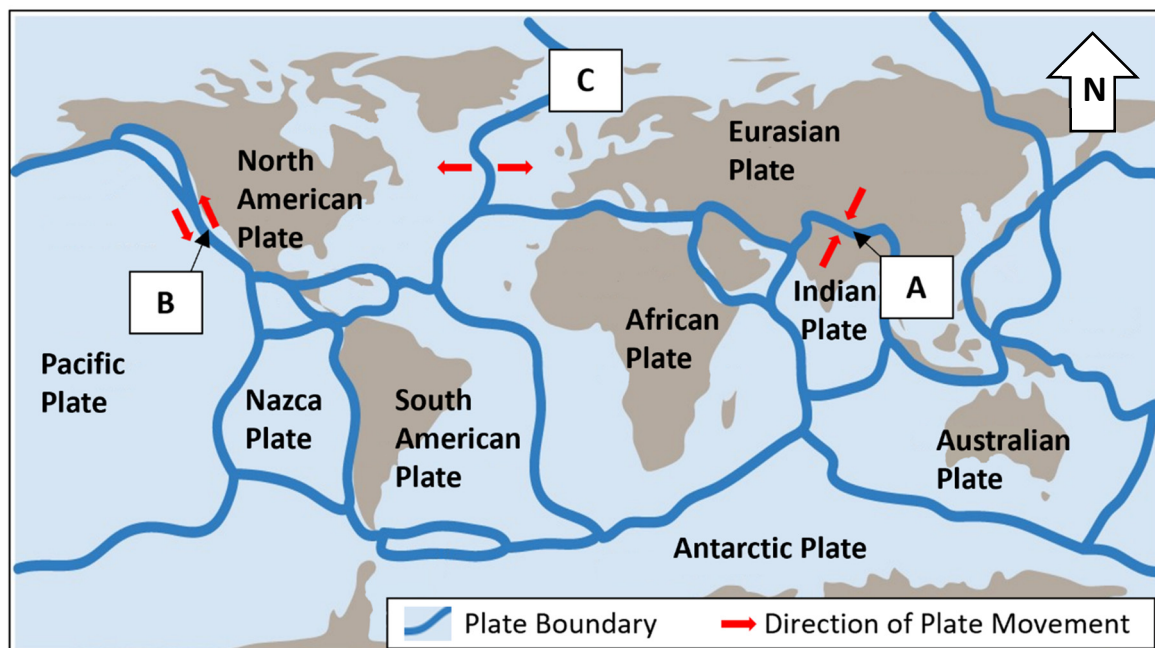
Examine how humans interact with **one** of the following surface processes:

- River processes
- Coastal processes
- Mass movement processes.

[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**?
- (ii) Name the **two** plates that are found either side of the plate boundary labelled **A**.
- (iii) What type of plate boundary can be seen at **B**?
- (iv) Name the most southerly plate labelled on the map.
- (v) Name the ocean ridge that runs along the plate boundary at **C**.
- (vi) Explain briefly how this ocean ridge was formed.
- (vii) Explain briefly the process of *subduction*.

[30m]

2B. Surface Processes

Answer (i) or (ii)

- (i) Explain, with the aid of diagrams, the formation of any **two** landforms.
or
- (ii) Describe and explain any **two** processes of mass movement.

[40m]

2C. Human Interaction with the Rock Cycle

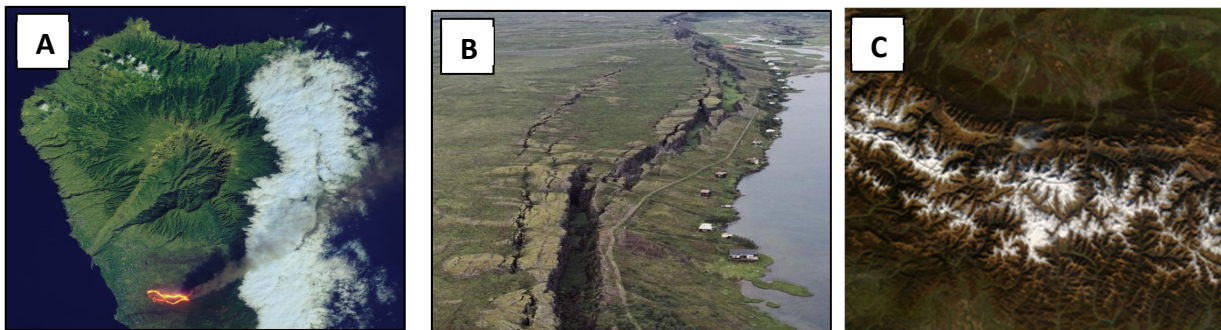
Describe and explain how humans interact with the rock cycle with reference to **one** of the following:

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

[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 letters **A**, **B** and **C** on the photographs above, with the feature that best matches it from the list below:
- Mountain range
 - Volcanic island
 - Rift valley.
- (ii) In your answer book, match each of the letters **A**, **B** and **C** on the photographs above, with the process most associated with its formation from the list below:
- Lava cooling
 - Folding
 - Faulting.
- (iii) Name **one** process of physical/mechanical weathering.
- (iv) Name **one** mountain range that you have studied.
- (v) Explain briefly the process of *folding*.

[30m]

3B. Karst Landscapes

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

[40m]

3C. Rocks

- (i) Name **one** example of an igneous rock **and** state **one** location where it can be found.
- (ii) Describe and explain how igneous rocks are formed.

[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.

[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.

[40m]

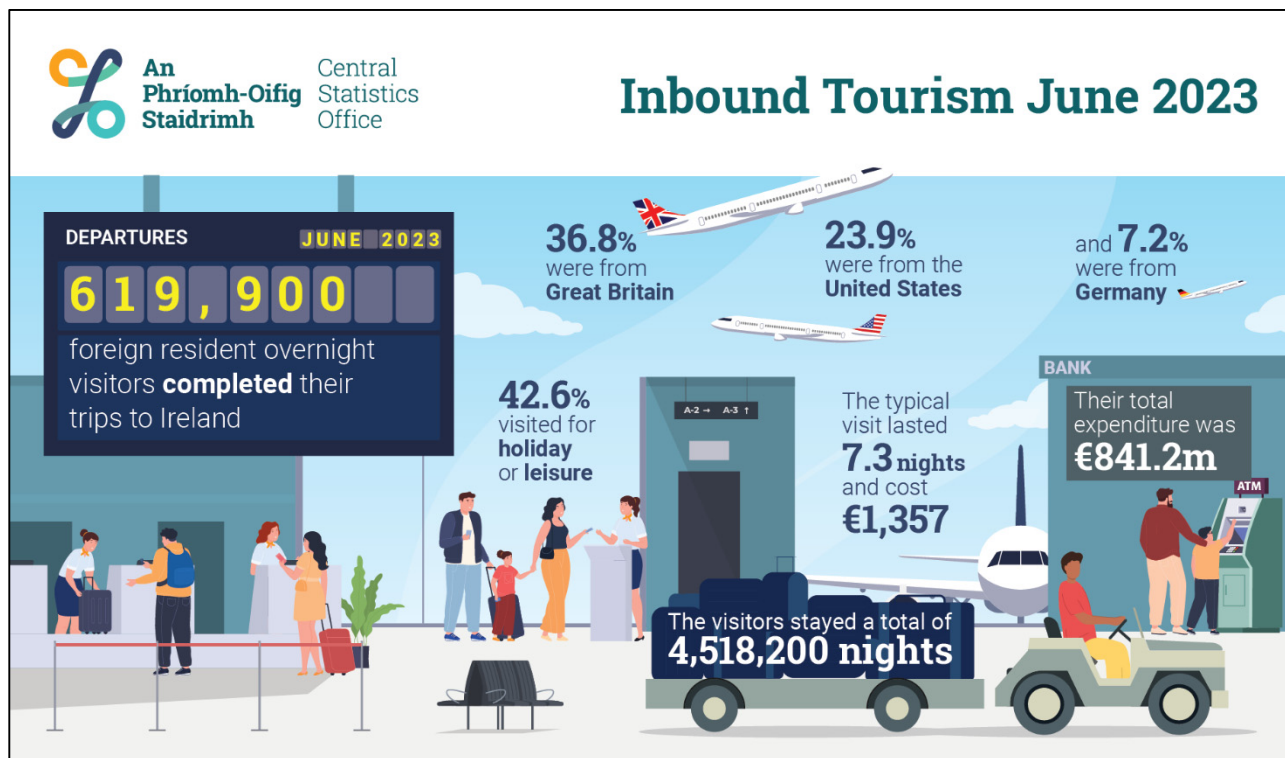
4C. European Union Expansion

- (i) Name **two** countries that have joined the European Union since Ireland joined in 1973.
- (ii) Explain the advantages **and** disadvantages of European Union expansion for Ireland.

[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?
- What was the reason 42.6% of visitors came for?
- How long did a typical visit last?
- How much (in €) did a typical visit cost?
- Calculate the total percentage of visitors that were from Great Britain and the United States combined.
- Name **two** tourist attractions in Ireland.
- Explain briefly **one** advantage of tourism to the Irish economy.

[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.
- (ii) Explain the advantages that this region has for the development of this secondary economic activity.
- (iii) Describe **one** challenge faced by this secondary economic activity in this region.

[40m]

5C. Urban Regions

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

[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.

- Which country had the highest percentage of people unemployed in 2010?
- What was the percentage of people unemployed in Poland in 2022?
- Which **two** countries experienced an increase in the percentage of people unemployed from 2010 to 2016?
- Calculate the reduction in the percentage of people unemployed in Ireland between 2010 and 2022.
- Explain briefly **one** disadvantage of a high level of unemployment.
- Explain briefly **one** way to reduce unemployment levels.

[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.

- Name **one** primary economic activity that contributes to the economy of this region.
- Explain the advantages that this region has for the development of the primary economic activity named in part (i) above.
- Describe **one** problem faced by this primary economic activity in this region.

[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.

[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.

[30m]

7B. Multinational Company (MNC)

- Name **one** multinational company that you have studied **and** state where this multinational company is located in Ireland.
- Name **one** raw material required by this multinational company **and** name **one** product manufactured by this multinational company.
- Explain the advantages of being located in Ireland for this multinational company.
- Explain **one** difficulty facing this multinational company in the future.

[40m]

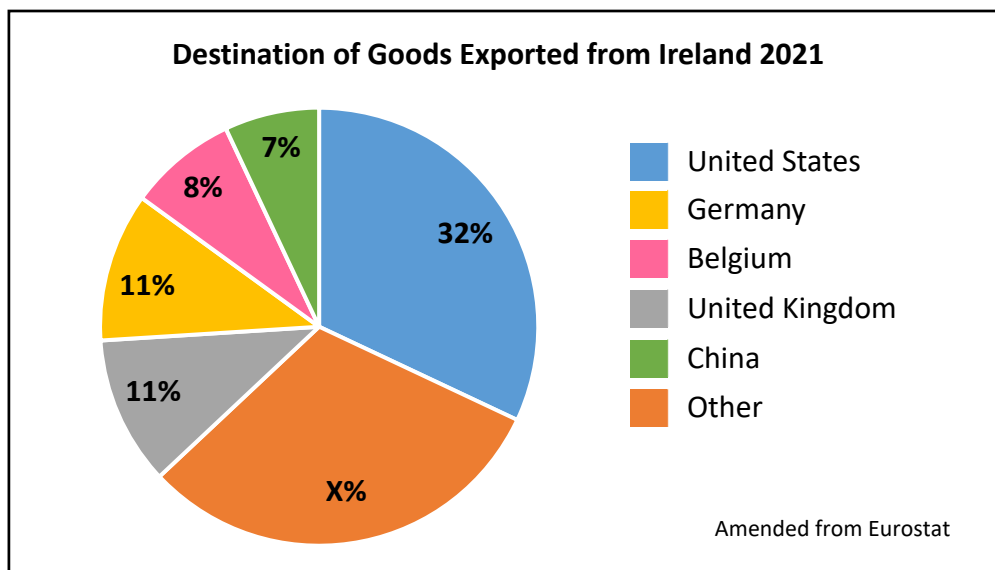
7C. Ireland and the European Union

- Name any **one** European Union policy which affects Ireland's economy.
- Describe and explain the effects of European Union policy(ies) on Ireland's economy.

[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?
- (ii) What percentage of goods went to the United Kingdom?
- (iii) Calculate **X**, the percentage of goods that went to “Other” export destinations.
- (iv) Which country received the largest amount of goods from Ireland in 2021?
- (v) Name **two** goods exported from Ireland.
- (vi) State **one** advantage of exports for the Irish economy.
- (vii) Explain briefly **one** reason why the amount of goods exported to the UK has fallen since 2020.

[30m]

8B. Economic Activity – Environmental Pollution

- (i) Name **one** example of environmental pollution caused by economic activity.
- (ii) Explain the causes **and** effects of this environmental pollution.
- (iii) Describe how this environmental pollution could be reduced.

[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.

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

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

[40m]

9C. Economic Activity and Conflict

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

[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.

[30m]

10B. Migration – Rural to Urban

- (i) State **two** reasons why people migrate from rural areas to urban areas.
- (ii) Describe and explain the effect of this migration on the urban areas that people migrate to.
- (iii) Describe and explain the effect of this migration on the rural areas they leave behind.

[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.

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

[30m]

11B. Developing World City

- (i) Name **one** city in the developing world that is rapidly growing.
- (ii) Explain the reasons for the rapid growth of this developing world city.
- (iii) Describe the problems caused by this rapid growth.
- (iv) Explain **one** solution to these problems.

[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.

[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?
- (ii) What was the population of Swords in 2016?
- (iii) Which town had a population of less than 30,000 in 2011?
- (iv) Calculate the growth in Dundalk's population from 2011 to 2022.
- (v) Explain briefly **one** possible reason for the growth in population of the towns in the table above.
- (vi) Explain briefly **one** impact of the growth in population of these towns.

[30m]

12B. Urban Functions

- (i) Name **one** urban area that you have studied.
- (ii) Name any **two** functions of this urban area.
- (iii) Describe and explain how the functions of this urban area have changed over time.

[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.
- (ii) Explain in detail, using evidence from the map, why there is an **absence** of settlement at this location.
- (iii) Give a grid reference for an area on the map which has a relatively **high** density of settlement.
- (iv) Explain in detail, using evidence from the map, why there is a relatively **high** density of settlement at this location.

[40m]

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