

AN ROINN OIDEACHAIS AGUS EOLAÍOCHTA
LEAVING CERTIFICATE EXAMINATION, 1999

M.23
19996

GEOGRAPHY - ORDINARY LEVEL

MONDAY, 14 JUNE - AFTERNOON, 2.00 to 5.00

INSTRUCTIONS TO CANDIDATES

Question 1 concerns the Ordnance Survey map and is compulsory.

The other questions, from 2 to 18, are laid out in **FOUR** sections. These are Physical Geography, Social Geography, Economic Geography, Regional and World Geography.

Five questions must be answered but **not more than two questions** may be answered from any one section. Candidates must attempt:

- Question 1;
- One Regional and World Geography question [from Questions 14 - 18];
- Three other questions from 2 - 18.

The choice of questions from 2 to 18 is subject to the restriction, specified above, that **not more than two questions** may be answered from any one section.

PLEASE MAKE SURE YOU HAVE AN ORDNANCE SURVEY MAP AND AN AERIAL PHOTOGRAPH BEFORE ATTEMPTING THIS PAPER.

THIS QUESTION MUST BE ANSWERED

QUESTION 1. ORDNANCE SURVEY

Examine the 1 : 50 000 Ordnance Survey map and legend (key) which accompanies this paper.

- (i) Draw a sketch map of the area north of the Shannon. On the sketch map name and identify the following:
- | | | |
|---------------------|-----------------------------|--------------------------------|
| • The river Shannon | • A power station | • The built up area of Kilrush |
| • A golf course | • A national secondary road | • A ferry terminal |

(30 marks)

[Note: The sketch map should **NOT** be a tracing].

- (ii) Give **two** pieces of evidence that indicate that the river Shannon is a navigable river.

(20 marks)

- (iii) Using map evidence **only**, describe **THREE** reasons why the town of Kilrush is a tourist centre.

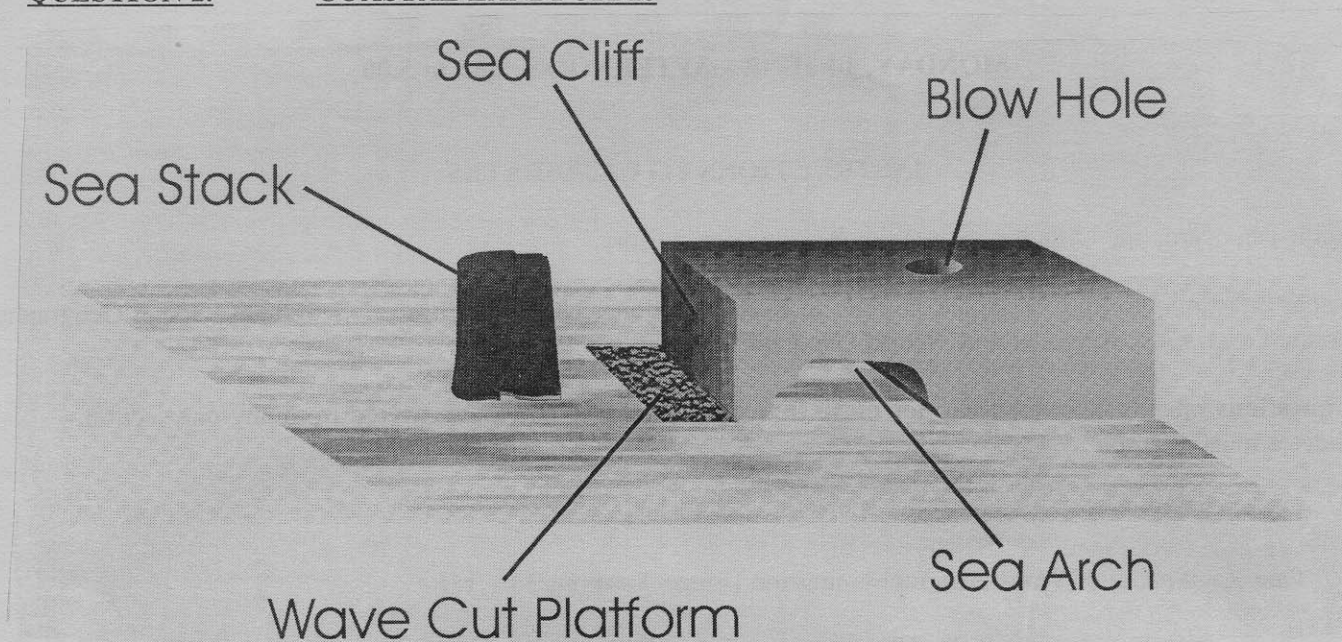
(30 marks)

PHYSICAL GEOGRAPHY

Questions 2 - 5

- You may not attempt more than Two Questions from Physical Geography.

QUESTION 2. COASTAL LANDFORMS



Sea Stack, Sea Arch, Blow Hole, Sea Cliff, Wave Cut Platform.

- (i) Select **THREE** of the above Coastal Features and using diagrams describe how they were formed. (60 marks)
- (ii) Explain briefly **TWO** ways in which the sea is of benefit to people. (20 marks)

QUESTION 3. GLACIATION

- (i) Name **THREE** features formed by glacial erosion.
Explain, with the aid of a diagram, how **EACH** feature was formed. (60 marks)
- (ii) Glaciated landscapes have brought many economic benefits to Ireland.
Briefly explain any **ONE** of these benefits. (20 marks)

QUESTION 4. EARTH MOVEMENTS

- (i) Fold Mountains, Volcanoes, Earthquakes.
Select any **TWO** of the above and for each one you select:
- Name **ONE** example;
 - Describe and explain, with the aid of a diagram how it occurs. (60 marks)
- (ii) Briefly describe **TWO** possible effects of earthquakes on a major city. (20 marks)

QUESTION 5. THE PHYSICAL WORLD

Explain **TWO** of the following statements in some detail:

- (i) The Atlantic Ocean has a major effect on Ireland's weather; (40 marks)
- (ii) Erosion by rivers has resulted in distinctive landscape features; (40 marks)
- (iii) The Burren is one of Ireland's most important tourist attractions; (40 marks)
- (iv) Climate has a major impact on the appearance of landscapes. (40 marks)

SOCIAL GEOGRAPHY

Questions 6 - 9

- You may not attempt more than Two Questions from Social Geography.

QUESTION 6. AERIAL PHOTOGRAPH (WITH MAP)

- (i) Draw a land use sketch map (not a tracing) of the area covered by the aerial photograph of Kilrush which accompanies this paper.

On the sketch map label and identify the following:

- Two connecting streets
- An industrial area
- A housing area
- An area of green belt
- An area of water
- The town square.

(30 marks)

- (ii) Imagine you are a town planner who has been asked to choose a site for a town car park in Kilrush.

Describe the most suitable location for the car park and give **THREE** reasons for choosing that location using evidence from the photograph **only**.

(30 marks)

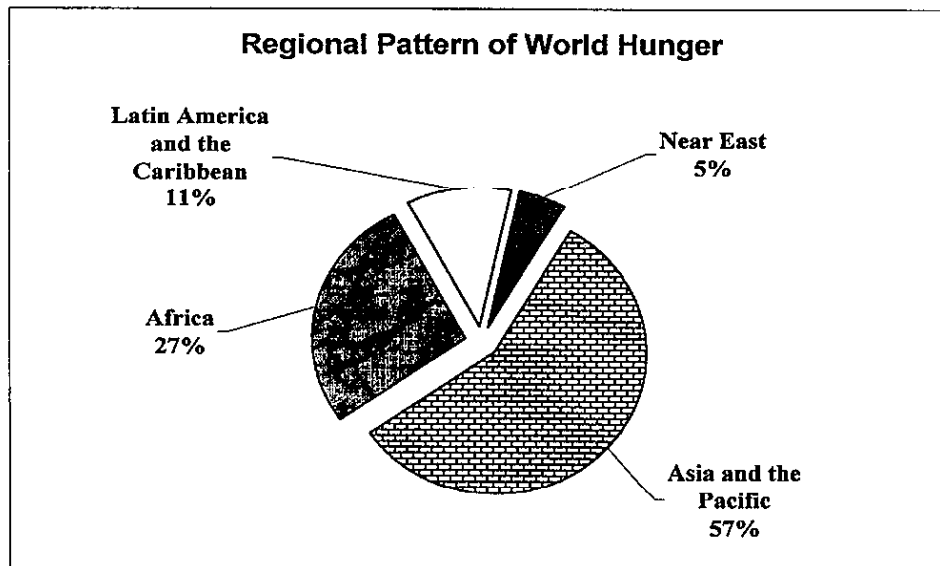
- (iii) If you were going to migrate to Kilrush which would be of most benefit to you, the Ordnance Survey map **or** the Aerial Photograph?

Give **TWO** reasons, using evidence from **both** the map **and** the photograph, why one of the sources would be more useful than the other.

(20 marks)

QUESTION 7.

WORLD HUNGER



(i) Examine the data in the chart above and describe the pattern shown. (20 marks)

(ii) A number of factors contribute to world hunger, some are listed below:

- War
- Rapid Population Growth
- Unfair Trade
- Poor Farming Methods
- Foreign Debt

Select any **THREE** of the above factors and show how they influence world hunger. (60 marks)

QUESTION 8. POPULATION STUDIES

(i) "Rapid population growth has created many problems in cities."
Describe **THREE** of these problems, referring to examples you have studied. (60 marks)

(ii) Rural communities in Ireland have many problems caused by out-migration.
Describe and explain **TWO** such problems. (20 marks)

QUESTION 9. SOCIAL GEOGRAPHY ISSUES

Explain **TWO** of the following statements in some detail:

- (i) Migrants often suffer discrimination. (40 marks)
- (ii) Dublin's rapid growth has led to problems both for Dublin itself and the rest of Ireland. (40 marks)
- (iii) The main problem facing cities in the developing world is their growing populations. (40 marks)
- (iv) Urban sprawl creates serious social and environmental problems. (40 marks)

ECONOMIC GEOGRAPHY

Questions 10 - 13

- You may not attempt more than Two Questions from Economic Geography.

QUESTION 10. MANUFACTURING INDUSTRY

(i) There are many factors that influence the location of manufacturing industries; amongst these are:

- Markets
- Labour
- Transport
- Raw Materials
- Government Policies
- Energy

Select any **THREE** of the above factors and explain their influence on the location of a manufacturing industry you have studied. (60 marks)

(ii) Briefly describe **TWO** negative effects of manufacturing industry on the environment. (20 marks)

QUESTION 11. TRANSPORT

(i) Air, Road, Rail, Canal and Pipeline.

Select **ANY TWO** of the above means of transport and describe and explain the advantages **and** disadvantages of each. (60 marks)

(ii) Briefly explain **ONE** advantage and **ONE** disadvantage of building a by-pass around a town. (20 marks)

QUESTION 12. ECONOMIC GEOGRAPHY ISSUES

Explain **TWO** of the following statements in some detail:

- (i) Farming may be viewed as a system with inputs, processes and outputs. (40 marks)
- (ii) Oil is the single most important source of energy in developed countries. (40 marks)
- (iii) Ireland's "Celtic Tiger" economy does not benefit everyone. (40 marks)
- (iv) Acid rain causes widespread damage to the environment. (40 marks)

QUESTION 13. FIELDWORK

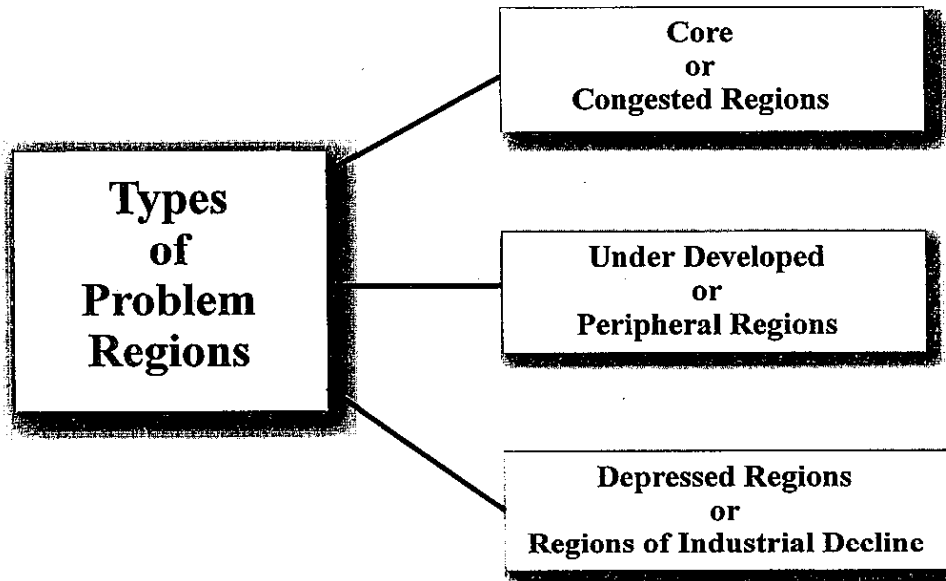
With reference to **ANY** fieldwork exercise that you have completed in Geography:

- (i) State the title and aims of the exercise. (8 marks)
- (ii) Describe how you prepared for the exercise. (16 marks)
- (iii) Describe the methods you used to gather the information. (24 marks)
- (iv) Describe the results of the fieldwork. (12 marks)
- (v) Explain the method you used to present your results. (12 marks)
- (vi) Explain one skill you learned during the fieldwork exercise. (8 marks)

Questions 14 - 18

- You must attempt at least One Question from Regional and World Geography but you may not attempt more than Two Questions.

QUESTION 14. TYPES OF PROBLEM REGIONS



Sambre-Meuse, Mezzogiorno and The Randstad.

Select any **TWO** of these named problem regions and for **EACH**:

- (i) Identify which type of problem region it is from the above diagram. (10 marks)
- (ii) Describe the nature of the problems in the region. (50 marks)
- (iii) What solutions are being attempted to combat these problems? (20 marks)

QUESTION 15. COUNTRIES AND THEIR REGIONS

Ireland, Belgium, Norway, Italy and France.

In the case of **ANY TWO** of the above countries you have studied:

- (i) Draw a sketch map to show how you would divide the whole country into **TWO OR MORE REGIONS**. (20 marks)
- (ii) Select **TWO** of these regions and, in the case of each, describe the development of the region using the following headings:
 - Physical Geography
 - Agriculture
 - Manufacturing or Services. (60 marks)

QUESTION 16. AGRICULTURE IN IRELAND

Factors which influence agriculture:

- Climate
- Relief
- Soil Fertility
- Markets
- Farm Size
- Government Policies.

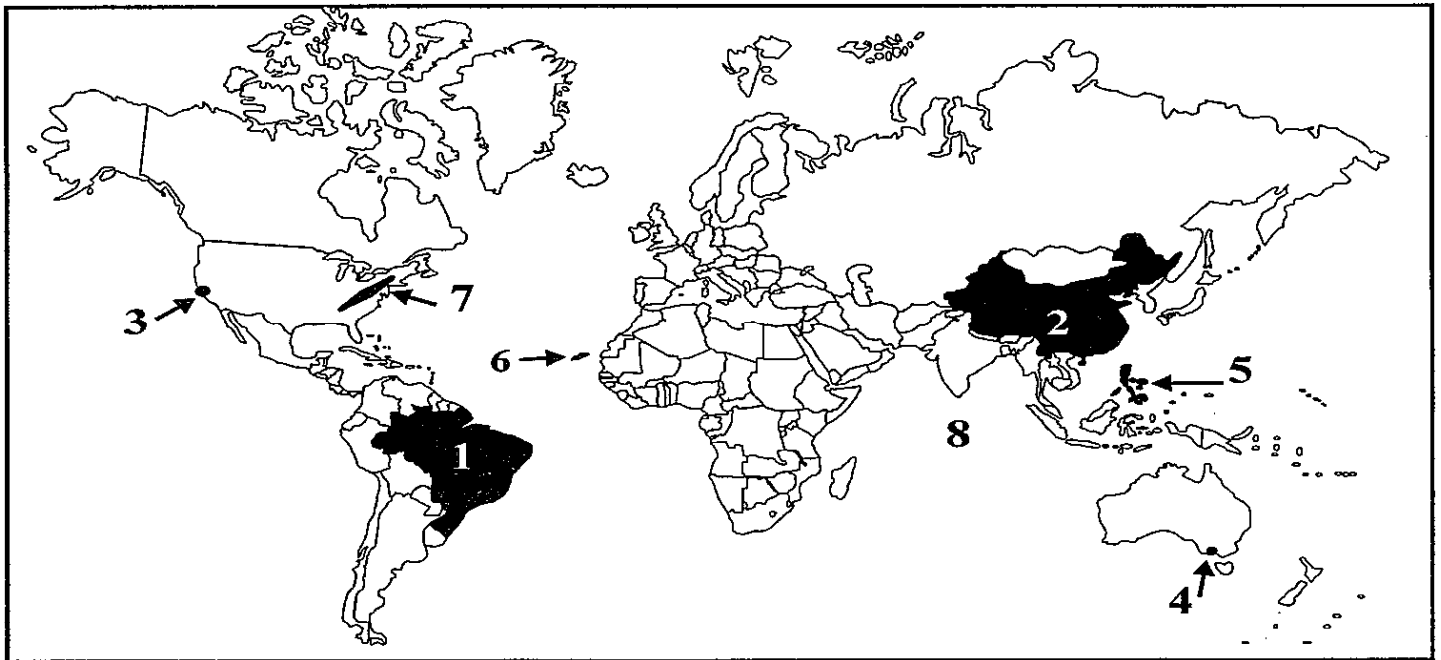
Select any **FOUR** of the above factors and describe and explain how they influence Irish agriculture. (80 marks)

QUESTION 17. STATEMENTS ON EUROPE

Select any **TWO** of the following statements and discuss them in detail:

- (i) Forestry is a suitable use of the poorer land in Western Europe. (40 marks)
- (ii) The river Rhine is one of Europe's most important trade routes. (40 marks)
- (iii) Tourism brings benefits **and** problems to Mediterranean regions. (40 marks)
- (iv) Ireland's island location on the periphery of Europe has its advantages and disadvantages. (40 marks)

QUESTION 18. WORLD GEOGRAPHY



Examine the map of the world above.

- (i) In your answerbook name the items numbered 1 - 8.
Countries 1 and 2; Cities 3 and 4; Islands 5 and 6; Mountain Range 7; Ocean 8. (16 marks)
- (ii) The following areas have made world headlines in recent years:
* Former Yugoslavia * Middle East * Northern Ireland
Select **ONE** of the above areas and describe the issues involved. (40 marks)
- (iii) "Refugees bring both benefits and problems to the host country."
Discuss this statement by referring to any **ONE** country you have studied. (24 marks)