



Coimisiún na Scrúduithe Stáit State Examinations Commission

LEAVING CERTIFICATE EXAMINATION, 2003

GEOGRAPHY - ORDINARY LEVEL

MONDAY, 9 JUNE - AFTERNOON, 1.30 to 4.50

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 supplied with this paper.

- (i) Draw a sketch map of the area covered by the Ordnance Survey Map supplied with this paper.

Mark and identify:

- The River Barrow
- Proposed National Primary or Secondary Road
- An Area of Upland
- The Railway Line
- A Golf Course
- A Garda Síochána Station

[Note: The sketch map should not be a tracing.] **(30 marks)**

- (ii) Describe and explain **THREE** reasons why the town of Carlow grew up at this location.

Use evidence from the map only. **(30 marks)**

- (iii) There is a Sewage Treatment Plant on the map South of the town of Carlow and East of the N9 at Grid Reference S7174.

Give **ONE** advantage and **ONE** disadvantage of this location for the plant.
Use evidence from the map only. **(20 marks)**

PHYSICAL GEOGRAPHY

Questions 2 - 5

QUESTION 2. RIVERS



- (i) Waterfall, Pot Hole, Meander, Ox-Bow Lake and Floodplain.
Select any **THREE** of the features above and in the case of **EACH**
- Describe and explain, with the aid of a diagram, how it was formed. **(60 marks)**
- (ii) Explain **ONE** way that people can prevent flooding along riverbanks. **(20 marks)**

QUESTION 3. GLACIATION

- (i) Name **TWO** features formed by glacial erosion and **TWO** features formed by glacial deposition. **(20 marks)**
- (ii) Explain, with the aid of a diagram, how any **THREE** of the features named in part (i) were formed. **(60 marks)**

QUESTION 4. THE PHYSICAL WORLD

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

- (i) The North Atlantic has a major effect on the climate of Ireland. **(40 marks)**
- (ii) Waste disposal is a major problem facing Ireland today. **(40 marks)**
- (iii) Erosion by the sea has helped to shape the landscape of Ireland **(40 marks)**
- (iv) Desertification is a major concern in many parts of the world today. **(40 marks)**

QUESTION 5. PLATE TECTONICS

- (i) Explain why **EARTHQUAKES** occur only in particular areas of the world. **(40 marks)**
- (ii) Explain why **VOLCANOES** bring advantages **AND** disadvantages to people in many parts of the world. **(40 marks)**

SOCIAL GEOGRAPHY

Questions 6 - 9

QUESTION 6. AERIAL PHOTOGRAPH OF CARLOW

Examine the aerial photograph supplied with this paper.

- (i) Draw a sketch map of the area of Carlow covered by the aerial photograph.

Show and name the following:

- A Church
- Two connecting streets
- A weir on the river
- The ruins of a castle
- A Bridge
- An island in the river.

[Note: The sketch map should not be a tracing.] **(30 marks)**

- (ii) Describe and explain **TWO** ways in which the river has influenced the area of Carlow shown on the photograph.

Use photograph evidence in your answer. **(30 marks)**

- (iii) If it was proposed to build houses on the green area close to the river in the right background of the photograph:-

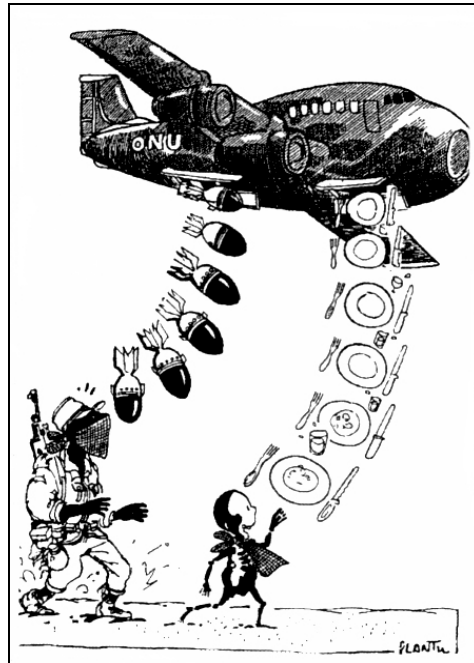
Explain **ONE** benefit that it would bring to the local area and explain **ONE** objection the local people might have to the houses. Use photograph evidence in your answer.

(20 marks)

QUESTION 7.

WORLD HUNGER

(i)



There are many factors that contribute to (add to) world hunger. Among these are:

- Growing Populations
- War
- Unfair Trading Practices
- Lack of Education
- Difficult Weather Conditions
- Inappropriate (unsuitable) Aid

Select any **THREE** of the above factors and explain how **EACH** contributes to (adds to) world hunger. **(60 marks)**

(ii) Explain **TWO** measures that could be taken by governments to eliminate or reduce hunger in Developing Countries. **(20 marks)**

QUESTION 8

POPULATION STUDIES

(i) Rapid Population Growth has contributed to many problems in cities. Among these are:

- Lack of Housing
- Traffic
- Pollution
- Crime and Drugs
- Disease

Select any **THREE** of these problems and explain each by referring to a city **OR** cities you have studied. **(60 marks)**

(ii) "In parts of the West of Ireland the population is falling rapidly."

Explain **ANY TWO** measures that could be taken to reverse this. **(20 marks)**

QUESTION 9. SOCIAL GEOGRAPHY ISSUES

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

- (i) The role of women in Ireland is changing rapidly. **(40 marks)**
- (ii) Religious belief can lead to conflict in some parts of the world. **(40 marks)**
- (iii) The Population Census is important for future planning in Ireland. **(40 marks)**
- (iv) There is a need for better understanding between people from different countries. **(40 marks)**

ECONOMIC GEOGRAPHY

QUESTIONS 10 - 13

QUESTION 10. AGRICULTURE

- (i) There are many important factors that influence agriculture. Among these are:

- Climate
- Soil Type
- Relief
- Government Policies
- Education
- Markets

Select any **THREE** of the above factors and explain how each has influenced agriculture **in any area studied by you.** **(60 marks)**

- (ii) Explain **TWO** of the negative effects of agriculture on the environment. **(20 marks)**

QUESTION 11. ENERGY

- (i) Solar Power, Wave Power, Wind Power, Biomass and Hydroelectric Power.

Select any **TWO** of the above renewable sources of energy and explain the **ADVANTAGES** AND **DISADVANTAGES** of each. **(60 marks)**

- (ii) “The discovery of the Corrib Natural Gas Field will bring major advantages to the economy of the West of Ireland.”
Do you agree with this statement? Explain your answer. **(20 marks)**

QUESTION 12. ECONOMIC GEOGRAPHY ISSUES

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

- (i) Pollution of the environment is a major concern in the world today. **(40 marks)**
- (ii) The Tropical Rain Forests are under constant threat from development. **(40 marks)**
- (iii) Updating the Irish road system will be a challenge in the future. **(40 marks)**
- (iv) Manufacturing Industry is a system with inputs, processes and outputs. **(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 **methods you used to present** your results. **(12 marks)**
- (vi) Explain **one problem you encountered** during the fieldwork exercise. **(8 marks)**

REGIONAL AND WORLD GEOGRAPHY

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. COUNTRIES AND THEIR REGIONS

Ireland, Norway, Germany, Belgium, Denmark and France.

In the case of **ANY ONE** 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 15. TOURISM



Central Statistics Office

- (i) With reference to the Chart above explain how tourism benefits the Irish economy. **(20 marks)**
- (ii) Explain **THREE** reasons why Irish people visit the Mediterranean region of Europe in large numbers every year. **(60 marks)**

QUESTION 16. STATEMENTS ON EUROPE

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

- (i) The Rhine-Ruhr region is one of Europe's largest industrial regions. **(40 marks)**
- (ii) Fishing is a major industry in Ireland. **(40 marks)**
- (iii) The computer industry in Europe has declined in recent years. **(40 marks)**
- (iv) The introduction of the euro into the E.U. region has been very successful. **(40 marks)**

QUESTION 17. REGIONS IN EUROPE

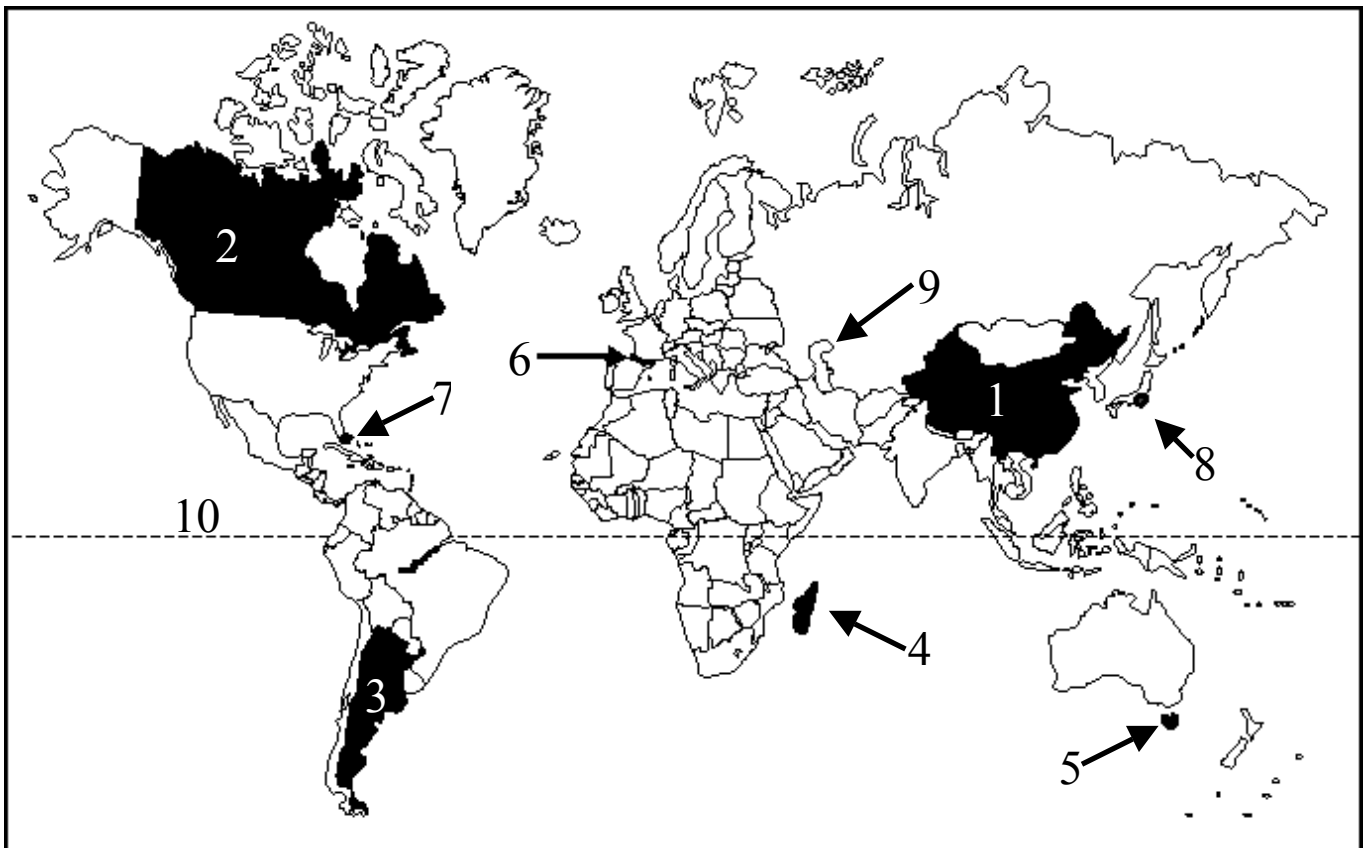
West of Ireland, Paris Basin, The North Italian Plain, Massif Central, South East England and Nordkalotten (Northern Norway and Sweden).

From the list of regions above select **ONE** core and **ONE** peripheral region and describe the regions under the following headings:

- Climate
- Agriculture
- Manufacturing Industry

(80 marks)

QUESTION 18. WORLD GEOGRAPHY



Examine the map of the world above.

(i) Name the items numbered 1 - 10 **in your answerbook.**

Countries 1, 2 and 3; Islands 4 and 5; a Mountain Range 6; Cities 7 and 8; Sea Area 9; Ocean 10.

(20 marks)

(ii) The following areas have made world headlines in recent years.

*Pakistan and/or India

*Middle East

*Northern Ireland

Select **ONE** of the above areas and describe the issues involved.

(40 marks)

(iii) “Terrorism is a major problem facing the world today.”

Do you agree? Explain your answer by referring to examples.

(20 marks)