

# **WARNING**

**You must return this paper with your answerbook, otherwise marks will be lost.**

Write your Examination Number here

**AN ROINN OIDEACHAIS AGUS EOLAÍOCHTA**

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**JUNIOR CERTIFICATE EXAMINATION, 2001**

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**GEOGRAPHY – ORDINARY LEVEL**

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**SECTION 1 - FOLDER**

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**MONDAY, 11 JUNE - AFTERNOON, 1.30 to 3.30**

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**N.B. SECTION 2 OF THIS PAPER IS SUPPLIED SEPARATELY.**

**SECTION 1 (60 MARKS)**

**ALL** questions to be answered.

You have an either/or choice **WITHIN** 4 questions.

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**1. Rocks**

An example of an igneous rock in this list is:

Granite

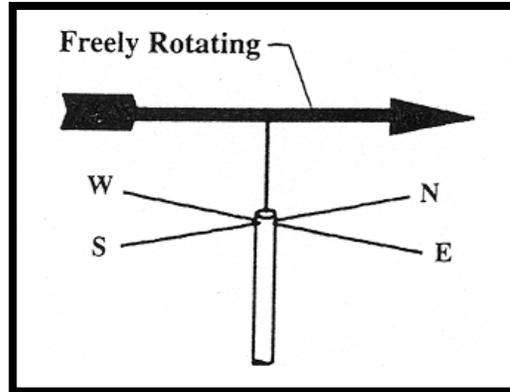
Limestone

Sandstone

Coal

[tick ✓ the correct box]

**2. Measuring the Weather**



The instrument shown in the diagram above is a:

Sunshine recorder

Anemometer

Thermometer

Wind Vane

[tick ✓ the correct box]

3. **Ocean Currents**

Choose the **cold** ocean current from this list of currents which flow in the North Atlantic:

- Gulf Stream
- North Equatorial
- Labrador
- North Atlantic Drift

[tick ✓ the correct box]

4. Answer **EITHER 4a OR 4b**

4a. **Soil**

**Leaching** in soil means:

- Evaporating upwards of minerals
- Washing down of minerals by water
- The adding of minerals to the soil
- Bacteria breaking down dead vegetation

[tick ✓ the correct box]

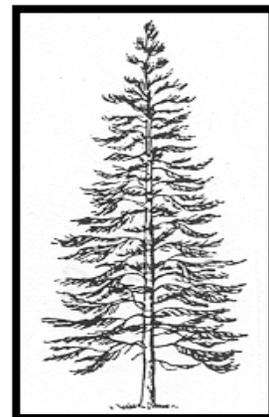
**OR**

4b. **Natural Vegetation**

Trees like the one in the diagram are found in:

- Equatorial forests
- Savanna lands
- Temperate Deciduous forests
- Northern (Boreal) coniferous forests

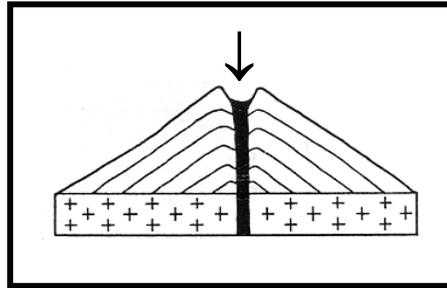
[tick ✓ the correct box]



5. **Volcano**

The **hollow** in the top of a volcano as shown in the diagram is called a:

- Crater
- Basalt
- Vent
- Lava flow



[tick ✓ the correct box]

6. **Water**

**Irrigation** means:

- Bringing water to dry land
- Draining water from wet land
- Protecting coastlines
- Using rivers for transport

[tick ✓ the correct box]

7. **Air Pollution**

**Acid rain** is mainly caused by:

- Rain water mixing with oxygen
- Farmers using fertiliser
- Growing too many trees
- Burning fossil fuels

[tick ✓ the correct box]

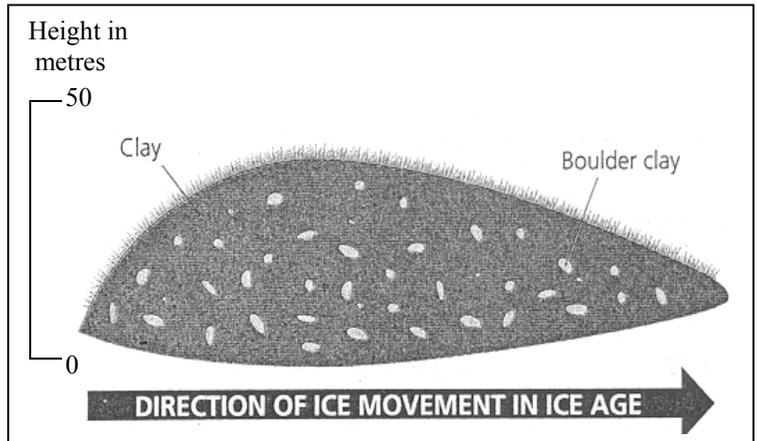
8. Answer EITHER 8a OR 8b

**8a. Glacial deposition**

The feature in the diagram, formed by Glacial deposition is a:

- Drumlin
- Delta
- Esker
- Flood plain

[tick ✓ the correct box]



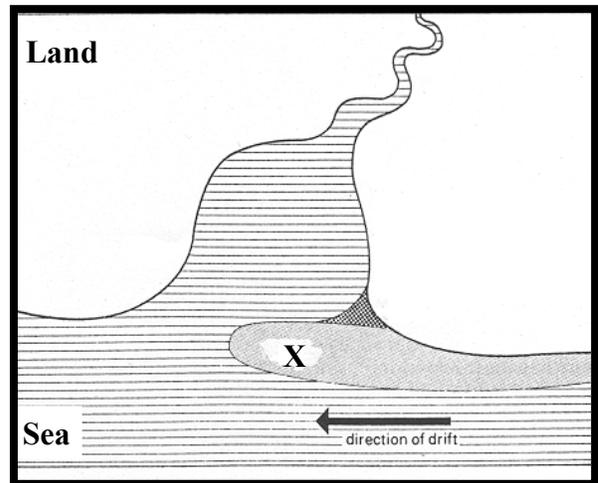
OR

**8b. Coastal deposition**

The feature marked 'X' in the diagram, formed by coastal deposition is a:

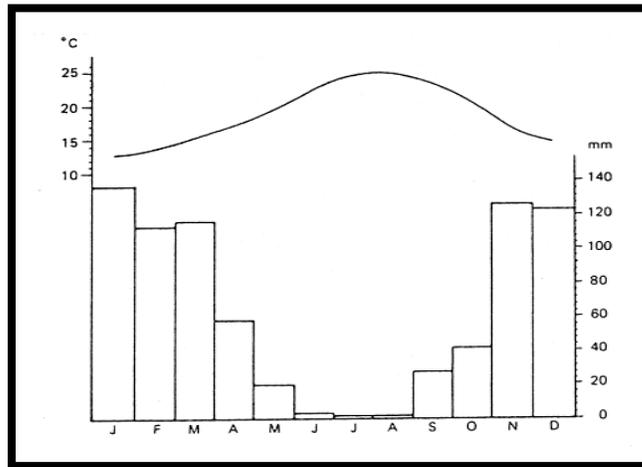
- Meander
- Spit
- Alluvium
- Cliff

[tick ✓ the correct box]



9. Answer EITHER 9a OR 9b

Look at the **Temperature and Rainfall graph**



**9a. Statistics**

Which one of the following describes the climate of the place shown on the graph:

- Hot summers, rain all year round
- Hot summers, rain only in spring
- Hot summers, most rain in the summer
- Hot summers, most rain in winter

[tick ✓ the correct box]

**OR**

**9b. Type of climate**

The type of climate shown by the above graph is:

- Mediterranean
- Savanna
- Desert
- Tundra

[tick ✓ the correct box]

10. **Economic activities**

One of these is a **Tertiary (Service)** economic activity:

Mining

Fishing

Teaching

Making computers

[tick ✓ the correct box]

11. **Photograph** Study the photograph provided.

The use of farmland in the background of the aerial photograph is best described as:

Arable farming only

Mixed farming

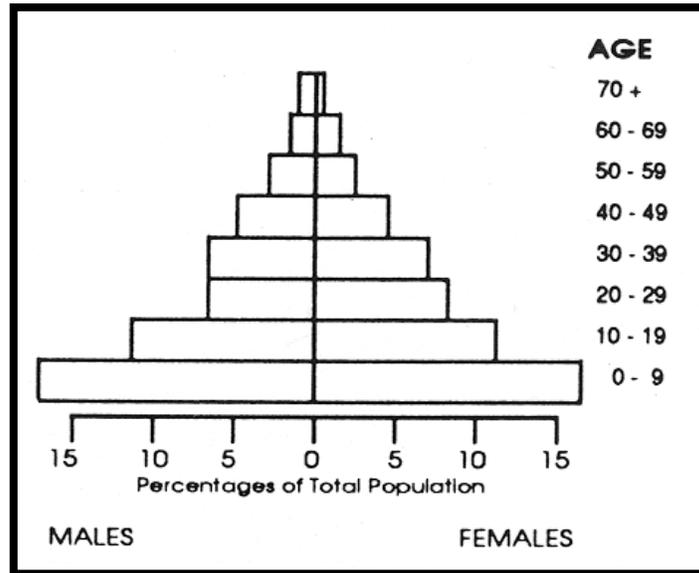
Pastoral farming only

Forestry

[tick ✓ the correct box]

12. **Population**

Look at the age-sex pyramid:



This pyramid shows the population of a

**DEVELOPED COUNTRY** or **DEVELOPING COUNTRY**

[circle the correct answer]

13. **City land values**

In large cities like Dublin, London and New York land is more expensive:

At industrial estates

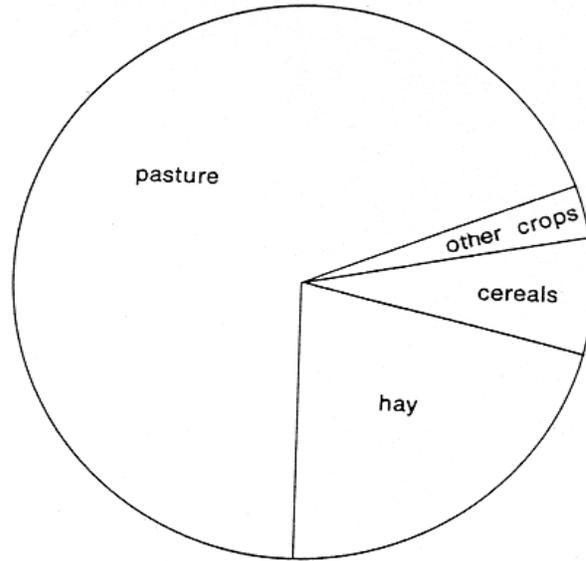
At the edge of the city

At the city centre

At parks

[tick ✓ the correct box]

14. Pie Chart



Look at the pie chart of the use of farmland in Ireland:  
20% (one fifth) of the land is used for:

- Pasture
- Hay
- Cereals
- Other crops

[tick ✓ the correct box]

15. Trade and Aid



Look at the cartoon. Which of these statements is fully correct, **according to the advertisements in the shop window?**

- Malaysian tea and cotton from India
- Nigerian tin and Chilean copper
- Jamaican bananas and Indian cotton
- Chilean coffee and Jamaican bauxite

[tick ✓ the correct box]

16. Trade and Aid

Look again at the cartoon above.

The message of this cartoon is:

- Europe does not import food.
- We import tin from Kenya
- Countries depend on each other
- Aid should only be for emergencies

[tick ✓ the correct box]

17. **Food amounts**

Examine the graph which shows the number of calories needed each day by different people. The **average requirement for an adult** is:

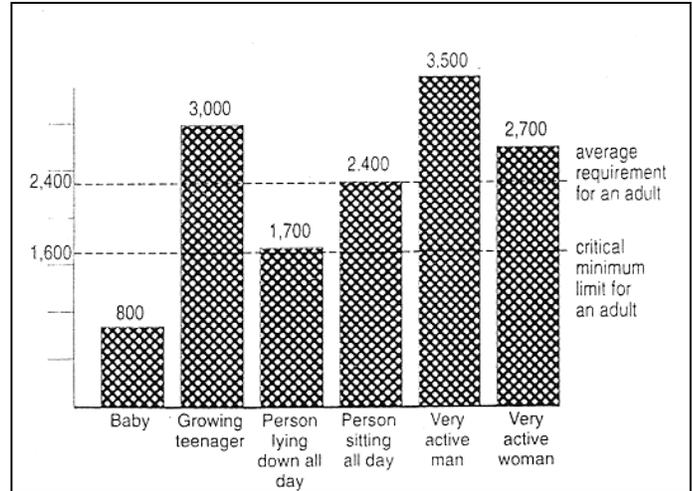
2,700 calories

3,500 calories

3,000 calories

2,400 calories

[tick ✓ the correct box]



18. **Ordnance Survey**

Study the Ordnance Survey map and legend (key) provided. There are **standing stones** at grid reference:

N 993 947

N 956 852

N 948 873

N 953 956

[tick ✓ the correct box]

**19. Ordnance Survey**

At N 956 852 the spot height is:

85 metres

95 metres

170 metres

184 metres

[tick ✓ the correct box]

**20. Answer EITHER 20a OR 20b**

**20a. Ordnance Survey**

**Bogtown** at N 97 94 is likely to be so called because:

It is high up and has blanket bog

It is flat, low lying and likely to be marshy

There is a peat burning power station shown

A large built up area is shown

[tick ✓ the correct box]

**OR**

**20b. Ordnance Survey**

The R171 road **from** Ardee (N 96 91) heads mainly:

North

North-east

North-west

South

[tick ✓ the correct box]

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**SECTION 2**

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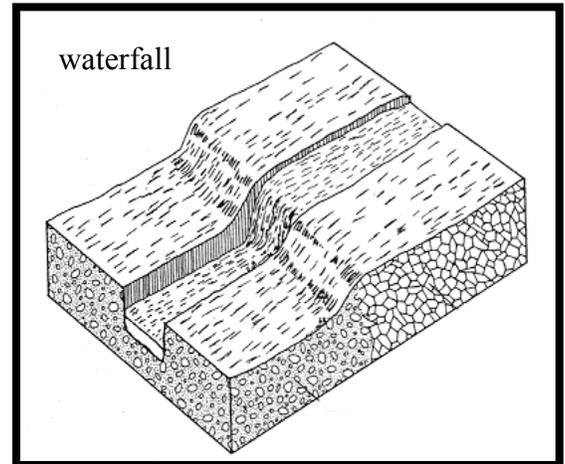
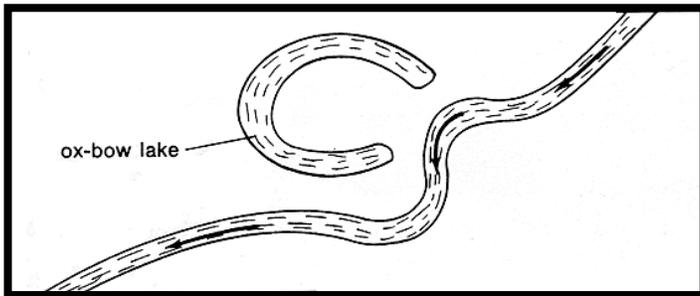
**SECTION 1** of this paper is in a separate folder, where spaces are provided for your answers.

**N.B. PLEASE REMEMBER TO RETURN YOUR FOLDER WITH YOUR ANSWER-BOOK.**

**SECTION 2 ( 90 MARKS)**

Answer **THREE** questions.  
All questions carry equal marks.

**1. RIVERS**



**A.** Using one of the diagrams above, explain how **waterfalls OR ox-bow lakes** are formed. [6]

**B.** (i) Name and describe **TWO** ways rivers are used by people.  
(ii) Name and describe **ONE** way rivers cause problems for people. [12]

**C.** Look at the Ordnance Survey map and legend (key) provided.

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

Mark on **and** identify

- the River Dee
- a named tributary of the River Dee
- the town of Ardee
- a castle near the river
- a main road in Ardee which crosses the River Dee [12]

(Make sure to include a frame, title or heading and direction arrow on your sketch map.)

2. **A GEOGRAPHICAL MIX**

Answer **ANY THREE** of the questions: A, B, C, D.

**A. TOURISM**

‘Climate attracts Irish people to tourist areas in many European countries for their holidays.’

- (i) Name **ONE** such tourist area you have studied.
- (ii) Explain why the climate attracts tourists.
- (iii) Give **ONE** other reason why the area you have chosen is important for tourism.

[10]

**B. TRAFFIC CONGESTION**

- (i) Give **TWO** reasons why traffic congestion happens so often in our towns and cities.
- (ii) Briefly describe **TWO** methods which have been used to ease such congestion.

[10]

**C. POPULATION DENSITY**

Choose a European country you have studied (for example Ireland, Sweden, Italy).

- (i) Name the country you have chosen.
- (ii) Name **ONE** part of it that is heavily populated.
- (iii) Name **ONE** part of it that is lightly populated.
- (iv) Explain **TWO reasons** why the heavily populated area has more people than the lightly populated area.

[10]

**D. THE DEVELOPING WORLD**

Imagine you are on a visit to an African village with an aid agency such as GOAL.

Write a letter to a friend and in it briefly describe **FIVE** things that are different from home.

[10]

3. Read the newspaper heading and answer the questions below:

**‘OVER 50 KILLED AS LANDSLIDE HITS SHANTY TOWN IN INDIA’**

- A. What is a landslide? Explain how it happens. [8]
- B. (i) Describe **TWO** ways in which shanty towns are different from other towns.
- (ii) Explain briefly why so many people would be killed by a landslide in a shanty town. [12]
- C. The population of a shanty town is high because people migrate (move) to it from the countryside.  
Explain why such people leave the country areas **and** why they are attracted to towns. [10]

4. **AERIAL PHOTOGRAPH**

Study the photograph of Ardee.

- A. Draw a sketch map of the whole area shown on the photograph.  
Mark on and identify
- two connecting roads
  - a Church
  - a row of houses
  - a group of trees
  - a castle
- [12]
- B. Imagine it is suggested to build a new shopping centre at the site of the timber yard in the centre foreground of the photograph.
- (i) Explain **ONE** reason why some people might be in favour of **this** site.
- (ii) Explain **ONE** reason why some people might be against **this** site.
- [10]
- C. (i) At what time of year was this picture taken?
- (ii) Using evidence from the photograph, give **ONE** reason for your answer. [8]

5. **ORDNANCE SURVEY**

Look at the Ordnance Survey map and legend (key) provided.

- A. Using the legend (key) supplied, from within the built up area of Ardee (N 96 90) list **THREE** services which are provided.

[9]

- B. It has been decided to build a factory at N 958 917, near the junction of the N2 and R171 roads.

Using information from the map explain **TWO** reasons for this choice of site.

[10]

- C. Compared with other areas shown on the map, there are less houses around the River Dee between N 98 91 and O 01 91. Using information from the map explain **TWO** reasons why this area has a lower population.

[11]