



**Coimisiún na Scrúduithe Stáit  
State Examinations Commission**

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**JUNIOR CERTIFICATE EXAMINATION, 2004**

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**GEOGRAPHY - HIGHER LEVEL**

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MONDAY, 14<sup>th</sup> JUNE - AFTERNOON, 1.30 TO 3.30

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**SECTION 2 (90 MARKS)**

Answer **THREE** questions.

**SECTION 1** of this paper is on a separate folder, where spaces are provided for your answers. Please remember to return your completed folder with your answerbook.

## SECTION 2

1. URBAN GEOGRAPHY

A. Examine the table of Ireland's Fastest Growing Urban Centres (excluding Dublin).

Figs. show % change in population between 1981 and 1996.

Centre	Change %
Bray	22.2
Lucan	-
Swords	100.3
Navan	15.0
Newbridge	24.7
Leixlip	44.5
Malahide	47.8
Arklow	-1.0
Naas	68.7
Portmarnock	11.4
Greystones	34.3
Balbriggan	26.3
Skerries	26.7
Athy	-4.7
Wicklow	36.5
Celbridge	168.1
Kildare	6.5
Rush	40.5
Kells	-3.3
Trim	24.9
Maynooth	151.7
Ashbourne	115.0

- (i) Put in rank order the **four** fastest growing urban centres. (4)
- (ii) With reference to **one** Irish urban centre you have studied explain the factors which lead to its development.

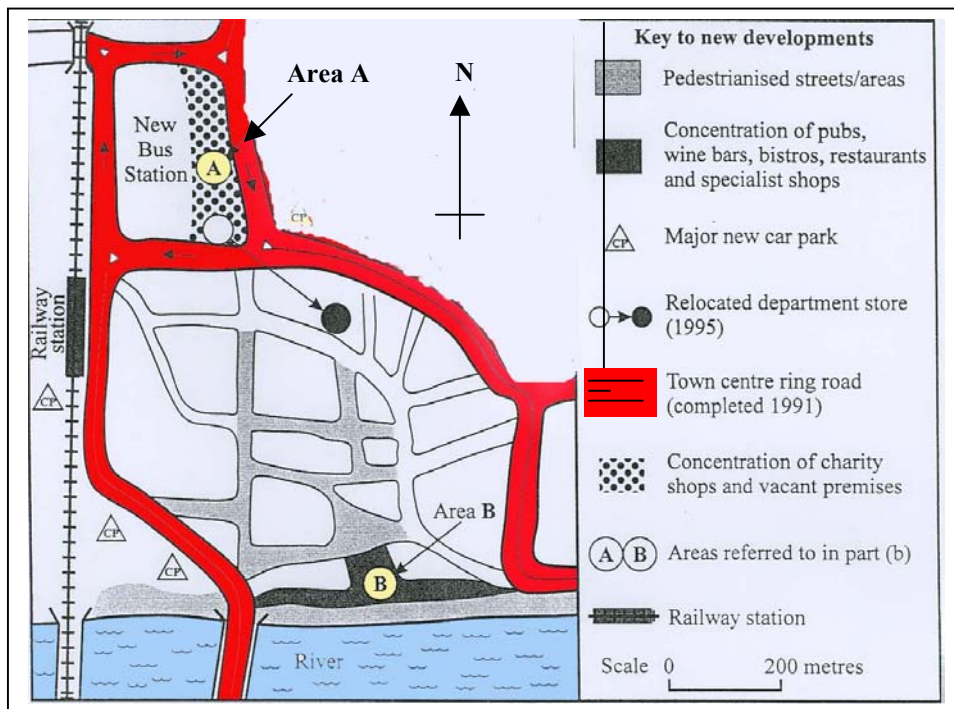
In your answer refer to:

- Economic Factors
- Social Factors
- Administrative Factors

(12)

B. Examine the diagram showing urban development and answer the questions that follow:

### Urban Development



- (i) What evidence is there that the local council has seen traffic management as an important element in the planning of this town centre? (4)
- (ii) Suggest **two** reasons why the area marked **B** appears to be developing while the area marked **A** appears to be in decline. (4)
- (iii) In **any** town which you have studied, explain **one** recent development which helped to solve the problems of Urban Sprawl **or** Urban Renewal/Re-development. (6)

(30 marks)

2.

**WORLD POPULATION DISTRIBUTION**

A. **“The population of the world is distributed unevenly across the earth’s surface.”**

Examine the O.S. map and answer the following questions.

- (i) Suggest **one** reason for the low population density in grid square G 25 15.
- (ii) Suggest **one** reason for the higher population density in grid square G 27 16. (4)

B. With reference to a **country** that you have studied:

- (i)  Name **one** region with a high population density.
- Name **one** region with a low population density. (4)
- (ii)  Describe and explain **one** reason for the high population density.
- Describe and explain **one** reason for the low population density. (12)

C. **“The density of population in an area has effects on the social and economic geography of that area.”**

Discuss **two** problems that might arise in an area of high population density **or** an area of low population density. (10)

**(30 marks)**

3.

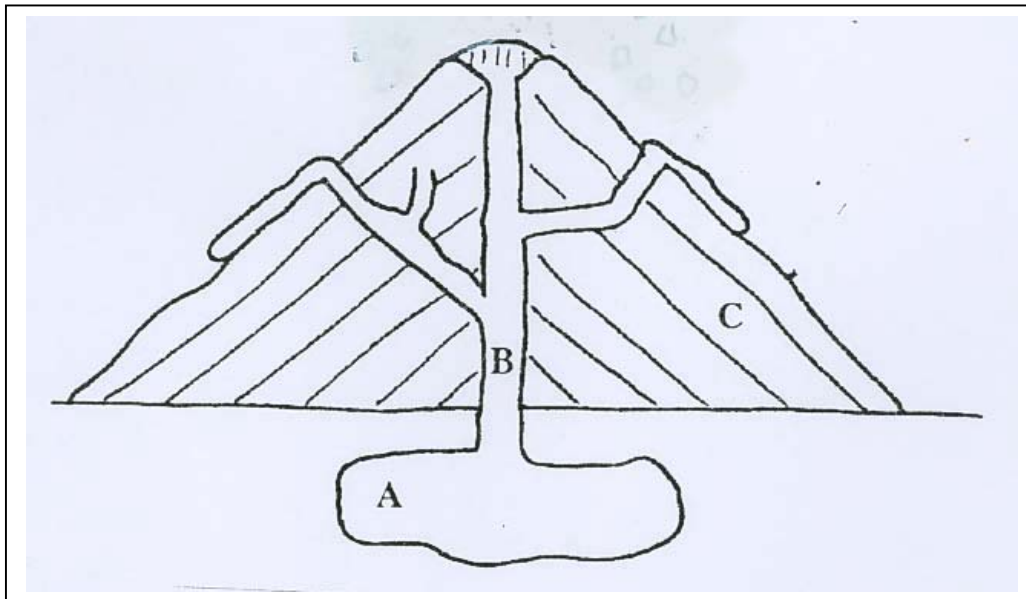
**GEOGRAPHICAL MIX**

Answer **three** of the following **A, B, C, D**

**A. Physical Geography: Rocks**

- (i) Examine the diagram of a Volcano and name the parts A, B and C (3)

**Diagram of Volcano**



- (ii) **“Volcanoes result in the formation of Igneous Rocks.”**  
Select **one** Igneous Rock and explain how it was formed. (3)

- (iii) **“Rocks are useful for economic activities.”**  
Name and explain **two** ways rocks may be used in economic activities. (4)

**B. Energy**

- (i)  Name **two** areas off the Irish Coast where natural gas has been found.  
 Name a major source of natural gas elsewhere in Europe.  
 A gas interconnector links Ireland to which other country? (4)

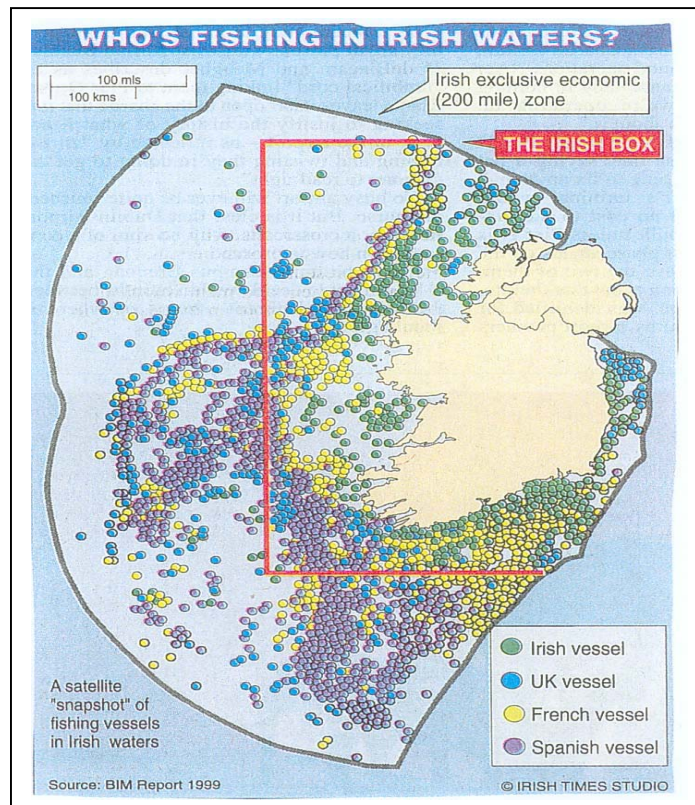
- (ii) **“The discovery of natural gas in an area has positive and negative effects.”**  
Describe and explain **one** positive and **one** negative effect of a gas discovery on an area. (6)

C. Fishing

IRELAND'S FISH CATCH (Tonnes)

FISH TYPE	1997	1998	1999	2000
Cod	5,706	5,294	3,860	2,928
Herring	57,155	58,248	45,334	42,114

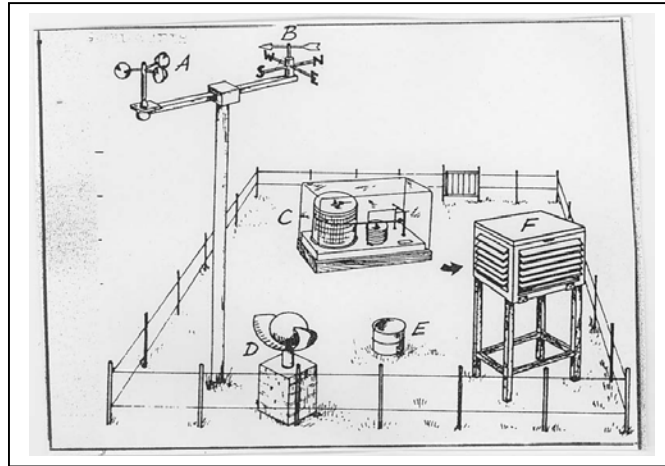
- (i) Describe the trend shown by the figures in the table. (2)
- (ii) Explain **two** reasons why over-fishing has occurred in Irish waters. (4)



- (iii) “The Irish Box is a method of conserving fish stocks.”
- Apart from Ireland and the UK, name **one** other country whose vessels fish in the Celtic Sea. (2)
  - Name and describe **one** other method which might be used to conserve fish stocks. (2)

## D. Weather

Examine the diagram of the weather station.



- (i) Name any **four** of the weather instruments labelled as follows: A, B, C, D, E, F (4)
- (ii) Explain how you would use any **two** of the instruments to record the weather. (4)
- (iii) Explain why accurate weather forecasts are important for any **two** of the following: (2)
  - Farmer
  - Long Distance Lorry Driver
  - Airline Pilot
  - Crew of a Trawler

## 4. **ORDNANCE SURVEY AND AERIAL PHOTOGRAPH**

Study the O.S. map, legend (key) provided and the Aerial Photograph.

*(note: location on the photograph should be given using right foreground, left background, etc.)*

**A. Draw a sketch map of the area shown on the Aerial Photograph.**

Show and name the following:

- The river Moy and two bridges.
- Two connecting streets.
- A Church with a spire.
- An Industrial Estate.
- An area of terraced housing.
- A shopping centre and car park. (12)

**B. The town of Ballina provides a variety of services.**

With reference to the O.S. map **only** describe **three** of these services. (12)

**C. It is proposed to re-develop the areas of derelict land on both sides of the river in the right centre of the photograph.**

- (i) Suggest a suitable use for this land.
- (ii) Explain **two** reasons for your choice. (6)

(6)  
**(30 marks)**

5.

**WORLD INEQUALITIES**

**Population statistics for selected countries.**

1	2	3	4	5	6
Country	Birth rate per thousand	Infant mortality rates per thousand	GNP per capita US\$	Life expectancy at birth (years)	Female literacy %
Malawi	54	147	180	48	34
India	31	95	340	59	29
Morocco	36	69	880	61	22
Peru	31	79	1 010	62	78
Argentina	20	30	2 160	71	95
Portugal	12	13	4 250	75	80
Ireland	16	8	8 710	74	>95
Netherlands	12	7	15 920	77	>95
Switzerland	12	7	29 880	78	>95
Denmark	11	8	20 450	75	>95

A. (i) Name **two** Developing Countries in the list above. (2)

(ii) Explain **two** reasons for your choice. (6)

B. Many factors are responsible for preventing economic development, these include:

- Climatic Change
- Population Growth
- Arms Expenditure
- War
- Colonisation

Explain how any **three** of the above factors prevented economic development in a country you have studied. (12)

C. Examine the advertisement for GOAL seeking aid for Ethiopia.



- (i) Describe the type of aid the people of Ethiopia need immediately. (10)
- (ii) Describe the type of aid which will be needed for future development. (30 marks)



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