



**Coimisiún na Scrúduithe Stáit  
State Examinations Commission**

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**JUNIOR CERTIFICATE EXAMINATION, 2004**

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**GEOGRAPHY – ORDINARY LEVEL**

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**SECTION 2**

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**MONDAY, 14 JUNE - AFTERNOON, 1.30 TO 3.30**

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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.**

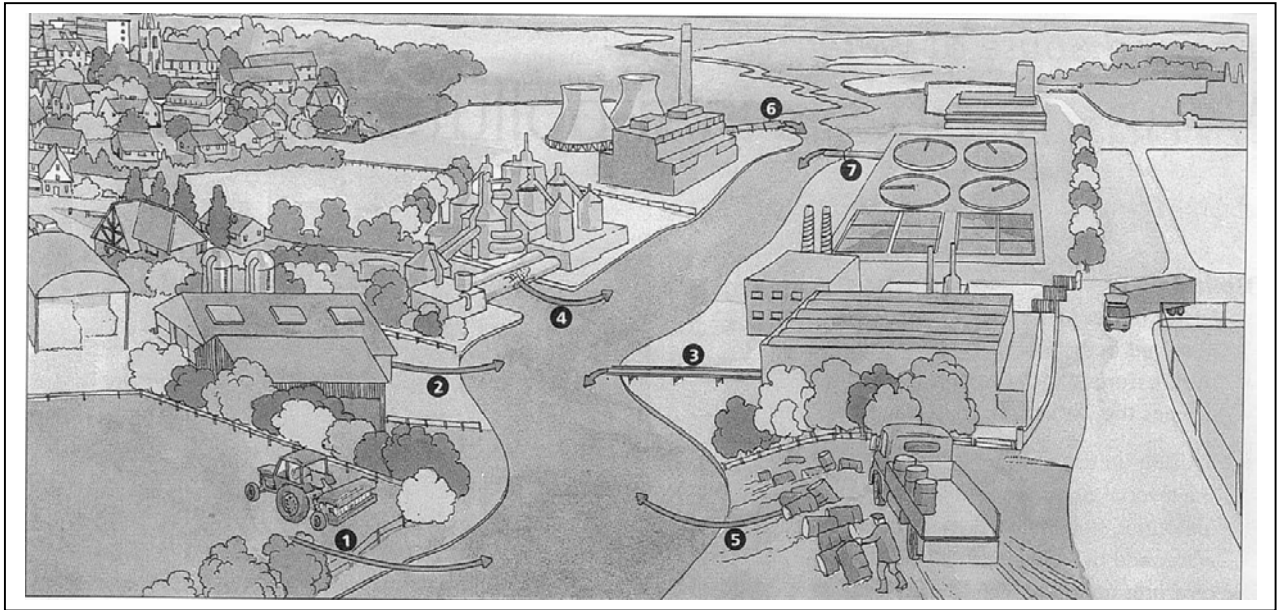
## SECTION 2 ( 90 MARKS)

Answer **THREE** questions.

All questions carry equal marks.

### 1. USE OF RESOURCES

#### A. WATER



Look at the diagram above. It shows seven sources of river pollution.

Choose **THREE** of these. For each of the ones you have chosen:

- say what is causing the pollution
- describe how it is a problem.

(9)

#### B. FARMING

The photograph shows a farmer spraying barley.

Describe the farm as a system, referring to **TWO** inputs, **TWO** processes (apart from the spraying shown) and **ONE** output.

(10)



#### C. FISHING

- (i) Over fishing has caused a shortage of fish in many sea areas.  
Explain **TWO** ways more modern fishing boats and equipment have led to over fishing. (6)
- (ii) Describe **ONE** effect of over fishing in the seas around Ireland. (3)
- (iii) Explain what is meant by a **renewable resource**. (2)

2. **SHAPING THE EARTH'S SURFACE**

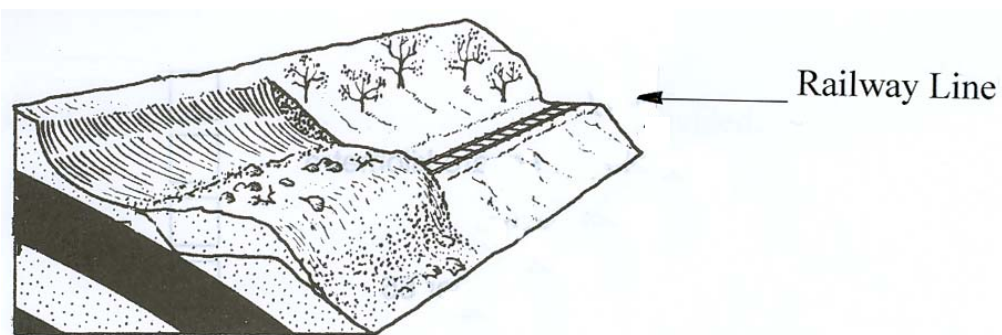
A. Choose **EITHER** Glaciation **OR** the Sea and then answer the following questions:

- (i) • Draw a diagram of **ONE** landform formed by erosion. (2)  
• Name the landform and explain how it is formed. (6)

- (ii) • Draw a diagram of **ONE** landform formed by erosion. (2)  
• Name the feature and explain how it is formed. (6)

- B. (i) Name **ONE** place in the world where earthquakes happen often. (2)  
(ii) Describe **TWO** results of an earthquake hitting a large city. (6)

C.



Referring to the diagram above, explain how landslides can happen. (6)

3. **ORDNANCE SURVEY MAP**

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

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

Mark on the sketch map and identify:

- The Built up Area of Ballina
  - The River Moy
  - The National Primary and Secondary Routes
  - TWO Historical Sites
  - The Railway Line
- (10)

B. Look again at the Ordnance Survey map.

‘Ballina is a very old town. It has developed at this location for a number of reasons.’

(i) Give **TWO** reasons why Ballina originally developed at this location. (6)

(ii) What is the distance, in Kilometres, along the N59 from the Tourist Information Centre (G 250 190) to the junction with the R297 (G 282 220)? (4)

C. You have been asked to design a Tourist Guide for the Ballina area shown on the Ordnance Survey map.

Describe **THREE** attractions that might be of use to tourists and **give a Grid reference for each one.** (10)

4. **AERIAL PHOTOGRAPH OF BALLINA**

Study the Aerial Photograph of Ballina supplied with this paper.

{**HINT**: Remember it is an Oblique Photograph therefore you should use the correct terms – i.e. Left Background, Right Foreground}

- A.** Traffic flow is a problem in many Irish towns like Ballina.
- (i) State **TWO** reasons why traffic jams happen in Ballina. (6)
  - (ii) Imagine that you work for Ballina Urban Council's traffic department. Explain **TWO** measures you would use to reduce traffic jams in Ballina. (6)
- B.**
- (i) List **TWO** land uses in the area on the photograph. (4)
  - (ii) Colour is an advantage when studying Aerial Photographs in geography. Explain **ONE** way which the use of colour helps you understand Land Use on this Photograph. (4)
- C.** Ballina Urban Council have asked you to build a Leisure Centre and Swimming pool.
- (i) Choose a suitable location on the photograph. (2)
  - (ii) Explain **TWO** reasons why you chose this site. (6)
  - (iii) Suggest **ONE** disadvantage of this site. (2)

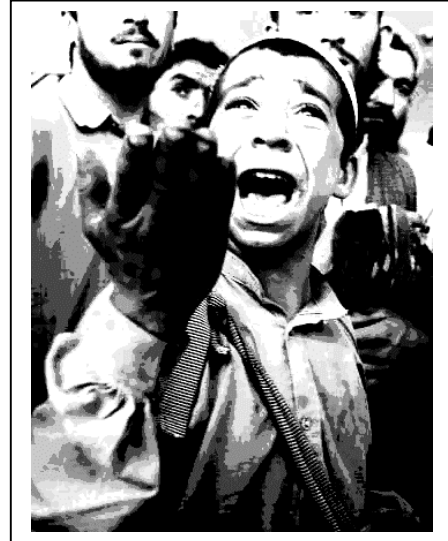
5. **GEOGRAPHICAL MIX**

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

(NOTE: This question continues on to the next page)

**A. AID TO DEVELOPING COUNTRIES**

‘The boy in this photo lives in a Less Developed Country. War and famine are big problems in his country. There are no schools and the hospitals cannot cope because of the war. Disease is a problem in the capital city because sewer pipes have been blown up’



Describe **TWO** types of AID that may be given to his country. (10)

**B. CLIMATE STUDIES**

**BOREAL CLIMATE OR TUNDRA CLIMATE**

Choose **ONE** of these climate types that you have studied.

- (i) Briefly describe the temperature and precipitation (rainfall etc.) (6)
- (ii) Describe **ONE** way in which this climate has influenced how people earn a living. (4)

5. GEOGRAPHICAL MIX (continued from previous page)

C. SHANTY TOWNS



Look at the photograph above and then answer these questions.

- (i) Name **ONE** city you have studied which has Shanty Towns.
- (ii) Name and describe **THREE** problems for people living in Shanty Towns. (10)

D. FACTORY LOCATION

Many new factories are built at the edge of towns and cities.

- (i) Name **ONE** such factory you have studied.
- (ii) Explain **THREE** reasons why such factories are built at the edge of towns and cities. (10)

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