



**Coimisiún na Scrúduithe Stáit  
State Examinations Commission**

**JUNIOR CERTIFICATE EXAMINATION, 2011**

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**GEOGRAPHY – ORDINARY LEVEL**

**SECTION 2 (90 marks)**

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**FRIDAY, 10 JUNE – MORNING, 9.30 - 11.30**

**Note:** **Section 1** of this paper is in a separate folder, where spaces are provided for your answers. Please remember to return your completed **Section 1 Folder** with your answer book.

## SECTION 2 (90 MARKS)

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

### Question 1. PHYSICAL GEOGRAPHY

#### A. Rocks

- (i) Name **ONE** rock you have studied and state if it is Igneous **or** Sedimentary **or** Metamorphic.
- (ii) Describe how the rock you have chosen in part (i) above was formed.
- (iii) Give **TWO** reasons why people might object to a quarry being opened near their home.

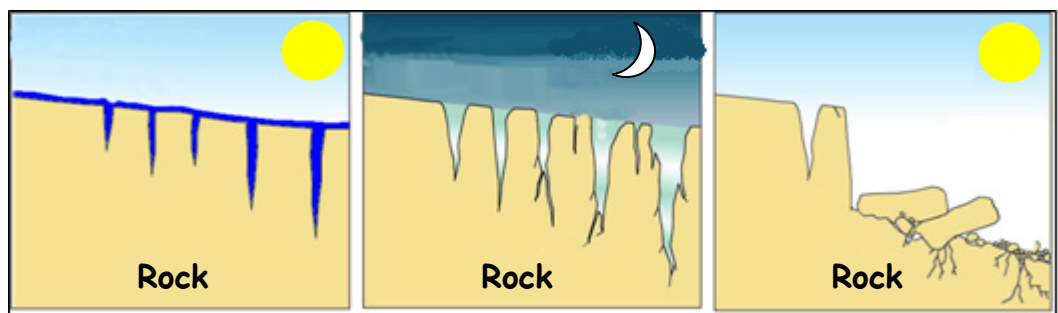
[10]

#### B. Landforms

- (i) Name **ONE** feature formed by ice **or** the sea.
- (ii) Draw a diagram of the feature you have named.
- (iii) Explain how this feature was formed.

[8]

#### C. Weathering



- (i) Use the diagrams above to explain how rocks are weathered by freeze-thaw (frost shattering).
- (ii) Explain why freeze-thaw (frost shattering) is more likely to occur on mountains rather than on lowland.

[12]

**Question 2. ORDNANCE SURVEY MAP**

- A.** Study the Ordnance Survey map and legend provided.

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

On your sketch map **show and label** each of the following:

- The Coastline
- The built up area of Dingle/An Daingean
- The Milltown River (in the west of the area shown)
- The N86 National Secondary Road.

[10]

- B.** (i) Using the Ordnance Survey map, explain **TWO** reasons why the town developed at this location.

- (ii) Using the Ordnance Survey map, explain why there are so few roads and houses around **Q 51 05**.

[10]

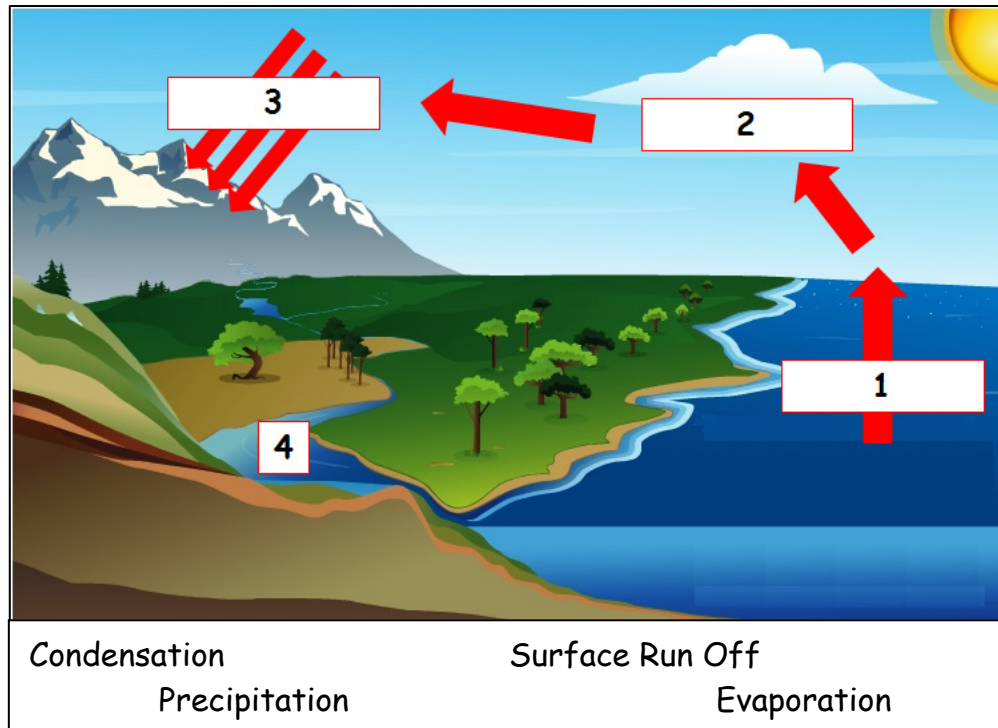
- C.** Imagine you are on holiday in Dingle/An Daingean and you are writing a letter or sending an email to a friend.

Using evidence from the Ordnance Survey map, describe **FOUR** attractions Dingle/An Daingean and the area around it have for tourists.

[10]

### Question 3. ECONOMIC ACTIVITIES

#### A. Natural Resource



- (i) Explain the Water Cycle, using the diagram and terms above.
- (ii) Name **TWO** ways people use water.
- (iii) Explain **ONE** way people pollute water supplies.

[10]

#### B. Manufacturing Industries

Manufacturing industries provide jobs for many people in Ireland. All these industries have inputs, processes and outputs.

- (i) Name **ONE** factory you have studied.
- (ii) List **TWO** inputs, **TWO** processes and **TWO** outputs of that factory.
- (iii) Explain the meaning of Footloose industry.

[10]

### Question 3. ECONOMIC ACTIVITIES (continued)

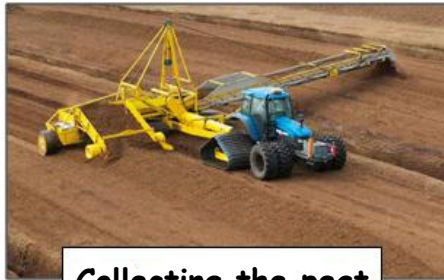
#### C. Resources and Technology



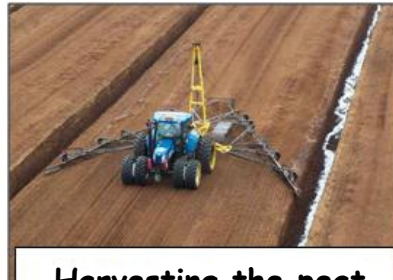
Transporting the peat



Selling the peat



Collecting the peat



Harvesting the peat

Examine the photographs above.

They show different stages in the extraction and removal of peat from bogs.

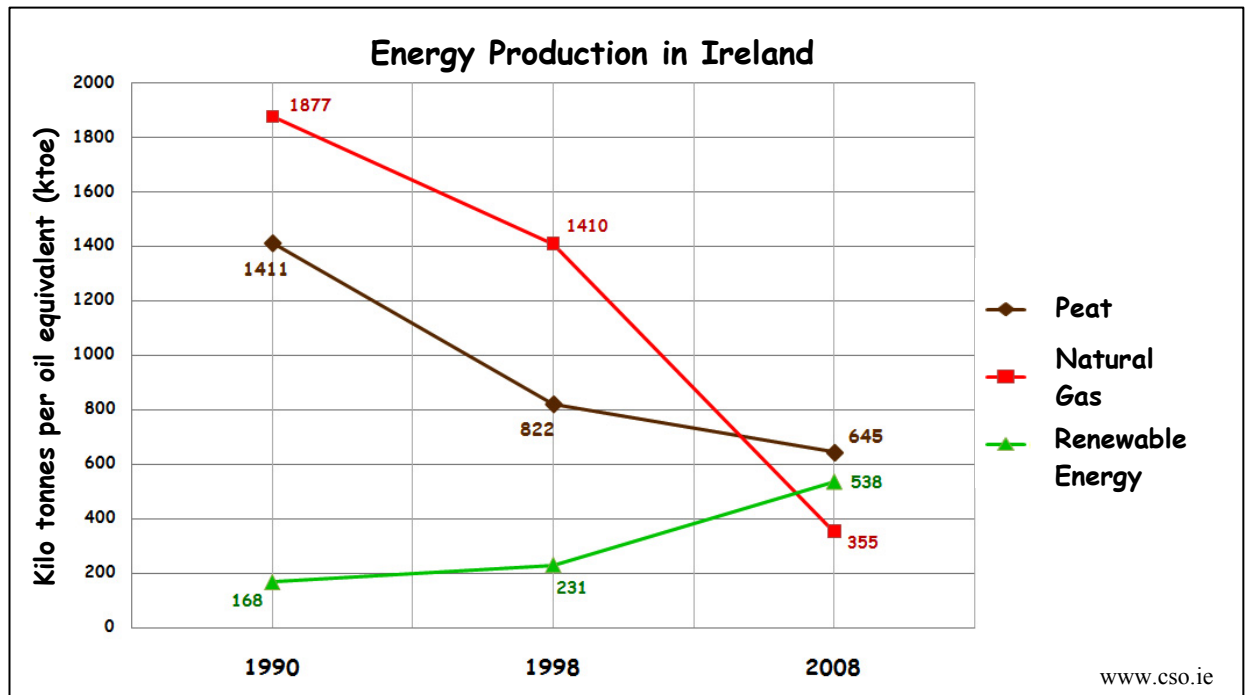
- (i) Describe how different machines (technology) have increased the amount of peat that is extracted and removed.
- (ii) Name and explain **ONE** possible use of bogs after the peat has been removed.

[10]

#### Question 4. A GEOGRAPHICAL MIX

Answer **ANY THREE** of the questions 4A, 4B, 4C, 4D.

##### 4A. STATISTICAL DIAGRAMS



The graph above shows energy production in Ireland for three selected years.

- Which year had the highest natural gas production?
- Which year had the lowest natural gas production?
- Which form of energy increased in production between 1990 and 2008?
- Name **TWO** examples of renewable energy.

[10]

##### 4B. PROTECTING THE ENVIRONMENT



- Explain **ONE** cause and **ONE** effect of Acid Rain.
- Describe **TWO** ways that schools can help reduce climate change and global warming.

[10]

## Question 4. A GEOGRAPHICAL MIX (continued)

### 4C. EARTHQUAKES and AID



### Emergency APPEAL

#### HAITI EARTHQUAKE

On 12<sup>th</sup> January 2010 a massive earthquake hit Haiti, killing 250,000 people and reducing much of the capital city to ruins. Aid agencies say huge amounts of help will be needed.

With the help of the information above, answer the following questions:

- (i) Describe **TWO** types of damage caused by earthquakes.
- (ii) Describe the type of aid that organisations like Concern need to provide immediately after an earthquake.

[10]

### 4D. TRAFFIC IN CITIES

Look carefully at this traffic camera image taken at Newland's Cross, Dublin. It shows heavy traffic at 17.29 Hrs. (5.29 pm) on 5<sup>th</sup> July 2010.



- (i) Given the time of day, is the traffic **leaving** the city OR **entering** the city?
- (ii) Explain **TWO** reasons why traffic congestion happens in our towns and cities.
- (iii) Explain **TWO** methods which could be used to ease such traffic congestion.

[10]

### Question 5. AERIAL PHOTOGRAPH

Study the aerial photograph of the Dingle/An Daingean area supplied with this paper.  
[**HINT**: Remember - This is an oblique photograph. Therefore, you should **use the correct terms** e.g. left background, right middleground, centre foreground, etc.]

- A.** The local council have asked you to build a public swimming pool and leisure centre in Dingle/An Daingean.
- (i) Using the correct terms, identify a suitable location for the public swimming pool and leisure centre on the aerial photograph.
  - (ii) Explain **TWO** reasons why you chose this site.
  - (iii) Suggest **ONE** possible disadvantage of this site.

[12]

- B.** Dingle/An Daingean has a number of land-uses which may benefit local people and tourists.
- (i) Using the correct terms, name and locate **TWO** land-uses in Dingle.
  - (ii) Give **TWO** reasons why **ONE** of the land-uses you named above might benefit local people or tourists.

[8]

- C.** Draw a sketch map of the whole area shown on the photograph.

On your sketch map **show and label** each of the following:

- Dingle Harbour
- Two connecting roads
- A sports ground
- An area of agricultural land.

[10]