Section 2

Allow Three Questions @ 30 marks each = 90 marks

Question 1. NATURAL PROCESSES

A.   Weathering

Name the type of weathering most associated with the formation of the landscape shown and explain this type of weathering.

Type of Weathering Named @ 2m
Two Explanations @ 4m each (St2 + D2)

B.   Mass Movement

(i)   Explain how precipitation and gradient influence mass movement.

Precipitation Exp @ 2m (St1 + D1)
Gradient Exp @ 2m (St1 + D1)

(ii)   Name **one** type of slow mass movement and describe its effects.

Type Named @ 2m
Two Effects Described @ 2m each (St1 +D1)

C.   River Feature

Name **one** feature formed by **river deposition** and explain with the aid of a labelled diagram, how it was formed.

Feature named @ 1m
Diagram @ 1m
Two Explanations of Formation @ 4m each (St2 + D2)

Question 2. **RESTLESS ATMOSPHERE**

A. **The Water Cycle**

(i) Explain the water cycle with reference to each of the stages labelled **A**, **B**, **C** and **D** in the diagram.

Four Explanations @ 2m each (St1 + D1)

(ii) Name **two** cloud types.

Two Named @ 1m each

B. **Climatic Factors**

Explain how any **three** of the following factors influence climate:

- Latitude
- Prevailing winds
- Distance from seas and oceans
- Altitude
- Relief.

Any Three Explained @ 4m each   (St2 +D2)

C. **Greenhouse Effect**

With the aid of a labelled diagram explain the greenhouse effect.

Labelled Diagram @ 2m
Two Explanations @ 3m each (St2 + D1)

Question 3.   GEOGRAPHICAL MIX

Answer **ANY THREE** of the questions **3A**, **3B**, **3C**, **3D**.

3A.   Soils

(i)   Describe and explain the formation of the soil profile shown.

**Two Description/Explanation @ 3m each (St2 +D1),
One @ 2m (St1+D1)**

(ii)   Name **two** soil types commonly found in Ireland.

Two named @ 1m each

3B.   Migration

(i)   Name **one** example of organised migration that you have studied.

Migration named @ 1m

(ii)   Describe **two** effects of this organised migration on the area to which people migrated.

Two Effects @ 3m each (St2 + D1)

(iii)   Explain one barrier to migration in the present day

One Explanation @ 3m (St2 + D1)

3C.   Tourist Regions

(i)   Choose any **two** of the types of tourist regions illustrated and name an example of each.

Two Examples Named @ 1m each

(ii)   Explain why tourists are attracted to **each** of your named examples.

Two Explanations @ 4m each (St2 + D1 + D1)   (One for each example)

3D.   Exploitation of Peat Bogs

(i)   Describe **two** ways in which technology has aided in the exploitation of peat.

Two Descriptions @ 3m each (St1 + D1 + D1)

(ii)   Explain **two** reasons why the majority of Bord na Móna's commercial peat production takes place at the raised bogs in the Midlands.

Two Reasons @ 2m each (St1 + D1)

Question 4.   URBANISATION

A.   Urbanisation in the Developing World

(i)   Name **one** city in the developing world that you have studied.

City Named @ 2m

(ii)   Explain **two** problems associated with unplanned development
in this city.

Two Explanations @ 4m each (St2 + D1 + D1)

B.   Urban Functions

Describe any **three** different functions associated with urban settlement(s) along the
Rhine River Basin.

City named @ 1m
Three Descriptions @ 3m each (St2 + D1)

C.   Urban Development

Examine the photograph and answer the following questions.

(i)   In which of the city zones **A**, **B** or **C** would land values be highest?

Zone named @ 2m

(ii)   State **two** reasons why land values are highest in this zone.

Two Reasons @ 2m each (St1 + D1)

(iii)   Describe **two** problems resulting from urban sprawl.
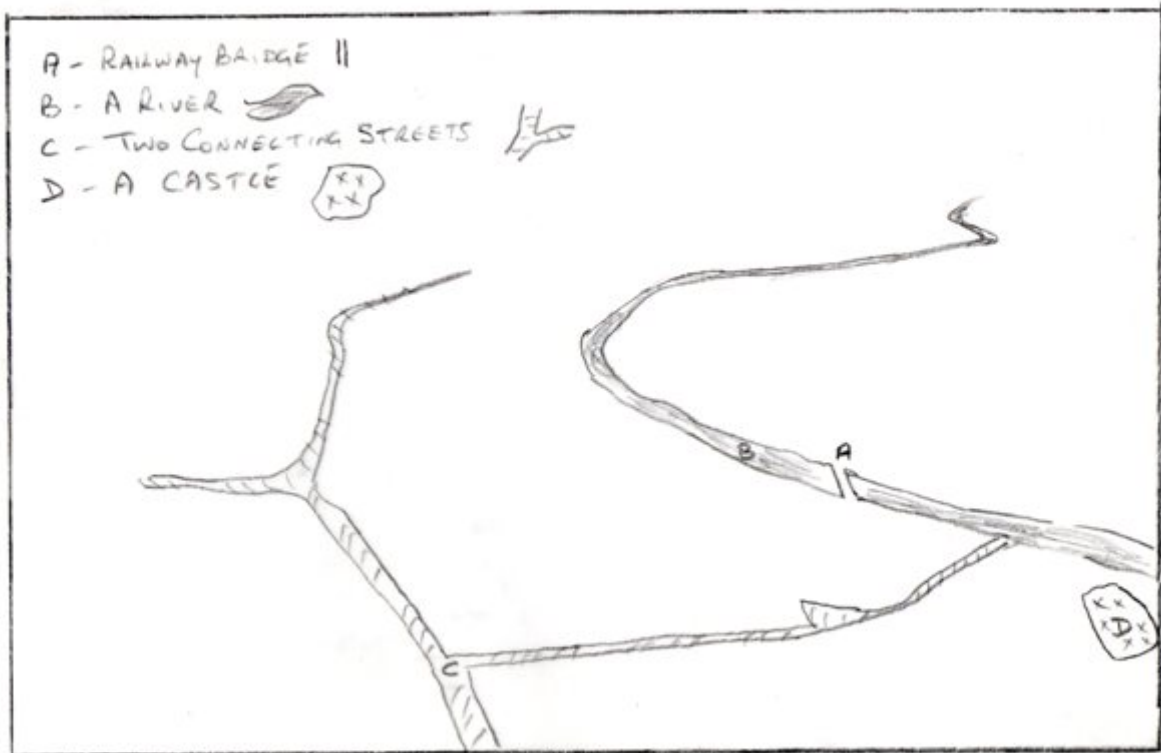
Two problems @ 2m each (St1 + D1)

Question 5. AERIAL PHOTOGRAPH AND ORDNANCE SURVEY MAP

A.   Draw a sketch map of the whole area shown on the aerial photograph.

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

- A railway bridge
- A river
- **Two** connecting streets
- A castle.

Four Features Shown and Named @ 2m each
Shape and Orientation @ 2m (1 + 1)

B. A number of different economic activities are evident on the **AERIAL PHOTOGRAPH**.

  (i) Name and locate using correct terms (right background, etc.) an example of each of the following economic activities:

  - Primary
  - Secondary
  - Tertiary.

  Name and Locate @ 2m each (1 +1)

  (ii) Choose any **one** of the examples of the economic activities named above and explain **two** reasons why it is at its present location.

  Two reasons @ 2m each (St1 +D1)

C. Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Explain **three** reasons for the location of the industrial estate at S 977 419.
For each reason include specific evidence from the **ORDNANCE SURVEY MAP** to support your answer.

Three Reasons: One @ 4m (St2 +D1 +Ev1) and Two @ 3m (St1 +D1 +Ev1)