

Section 2

Allow Three Questions @ 30 marks each = 90 marks

Question 1. ROCKS AND WEATHERING

A. Rock Types

- (i) State which of the images above **A**, **B** or **C** shows basalt rock.

Image Named @ 2m

- (ii) Name a location in Ireland where basalt is found.

Location Named @ 2m

- (iii) Describe and explain how basalt is formed.

Two Des/Exp @ 3m each (St2 + D1)

(10)

B. Human Interaction

- (i) Explain **two** advantages of oil and gas exploitation for the Irish economy.

Two Advantages @ 3m each (St2 +D1)

- (ii) Describe **two** problems that may arise from oil and gas exploitation.

Two Problems @ 2m each (St1 +D1)

(10)

C. Weathering

Explain, with the aid of a labelled diagram, how rocks are weathered by frost action.

Labelled Diagram @ 2m

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

(10)

Question 2 CLIMATE AND WEATHER

A. Climate Type

- (i) Name **one cold** climate that you have studied.

Climate Type Named @ 2m

- (ii) Explain the temperature **and** precipitation characteristics of this **cold** climate.

Temperature Characteristic Exp @ 3m (St2 + D1)

Precipitation Characteristic Exp @ 3m (St2 + D1)

- (iii) Describe **one** way that natural vegetation has adapted to this **cold** climate.

One Adaptation Described @ 2m (St1 + D1)

(10)

B. Weather Instruments

- (i) Name each of the weather instruments **A, B, C** and **D** shown above.

Four Instruments Named @ 1m each

- (ii) Choose any **two** of the instruments shown above **and** describe how they are used to record weather.

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

(10)

C. Drought

- (i) Name an area that experiences severe drought **and** explain why drought occurs in this area.

Area Named @ 1m

One Explanation @ 3m (St2 + D1)

- (ii) Describe and explain the impacts of drought on human activity in this area.

Two Impacts Des/Exp @ 3m each (St2 + D1)

(10)

Question 3. POPULATION STUDIES

A. Population Pyramids

Examine the population pyramids above.

- (i) Describe the impact of birth rates **and** death rates on the structure of each of the **Pyramids A and B**.

Four Impacts @ 2m each (St1 + D1)

- (ii) Explain **two** reasons why life expectancy is higher in some countries.

Two Reasons @ 2m each (St1 + D1)

(12)

B. Population Density

Describe **two** effects of very low population density in a region that you have studied.

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

(8)

C. Population Change

The diagram above shows population change over time.

- (i) What name is given to this diagram that shows population change?

Diagram Named @ 1m

- (ii) Explain each of the following:

- (a) Why the death rate fluctuates (goes up and down) in Stage 1.

One Reason @ 3m (St2+ D1)

- (b) Why the death rate declines rapidly in Stage 2.

One Reason @ 3m (St2+ D1)

- (c) Why there is a natural decrease in population in Stage 5.

One Reason @ 3m (St2+ D1)

(10)

Question 4. GEOGRAPHICAL MIX

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

4A. ANSWER EITHER (i) or (ii).

(i) Glaciation

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

OR

(ii) Coasts

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

(10)

Feature Named @ 1m

Labelled Diagram @ 1m

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

4B. Aid

(i) What is meant by the term *bilateral aid*?

One explanation @ 2m (2 or 0)

(ii) Describe **one** advantage and **one** disadvantage of providing aid to countries in the developing world.

One Advantage @ 4m (St2 + D1 + D1)

One Disadvantage @ 4m (St2 + D1 + D1)

(10)

4C. Urban Planning

(i) The photograph above shows an area in Cork city that has undergone urban renewal.

Explain what is meant by the term *urban renewal*.

One Explanation @ 2m (2 or 0)

(ii) Name any *new town* in Ireland that you have studied.

New Town Named @ 2m

(iii) Describe any **two** characteristics of this *new town*.

Two Characteristics Described @ 3m each (St2 + D1)

(10)

4D. Manufacturing Industry

The location of manufacturing industries is influenced by many factors including:

- Raw Materials
- Labour
- Markets
- Transport
- Capital
- Services
- Government Policies.

Explain how any **three** of the factors listed above influence the location of **one** manufacturing industry that you have studied.

Industry Named @ 1m

Three Factors Explained @ 3m each (St2 +D1)

(10)

Question 5 ORDNANCE SURVEY and AERIAL PHOTOGRAPH

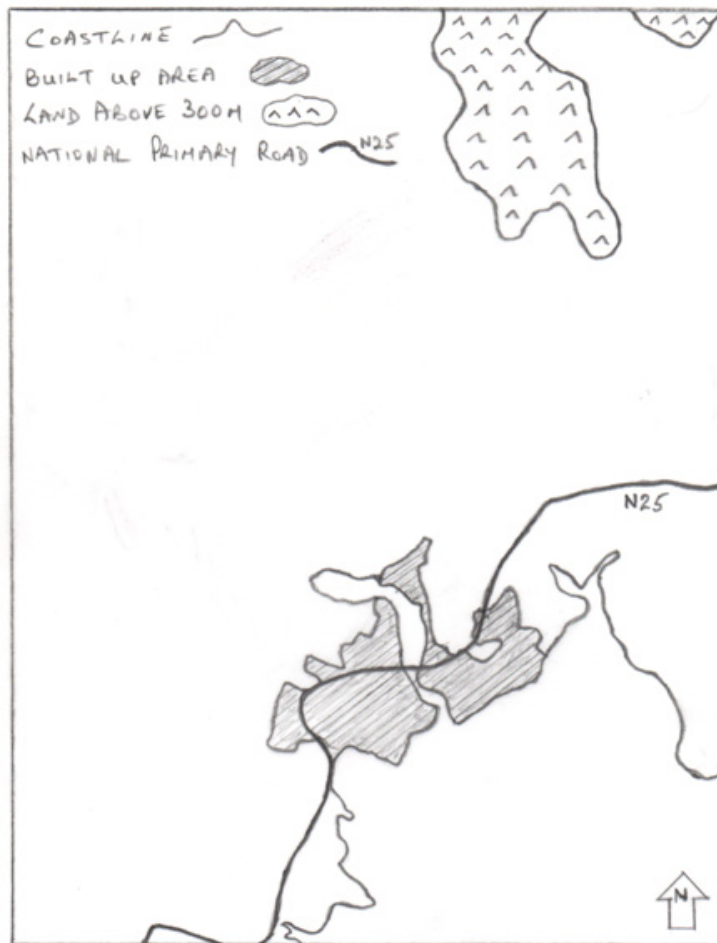
A. Draw a sketch map of the area shown on the Ordnance Survey map.

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

- The coastline
- The built up area of Dungarvan
- An area of land above 300 metres
- A national primary road

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

(10)



- B.** Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Explain **three** reasons why the town of Dungarvan is at this location, using evidence from the **ORDNANCE SURVEY MAP** to support each reason.

Three Reasons @ 4m each (St2 + D1 + Ev1)

(12)

- C.** Examine the **AERIAL PHOTOGRAPH** supplied with this paper.

Explain **two** reasons why tourists might be attracted to this area, using evidence from the **AERIAL PHOTOGRAPH**, to support each reason.

Two Reasons @ 4m each (St2 + D1 + Ev1)

(8)