

**Marking Scheme – Geography – Junior Certificate
Higher Level 2008
Section 2**

Question 1. CLIMATE AND PEOPLE

- A.** The diagram shows a mountainous area in Europe. Explain **two** reasons why you would expect the place labeled **X** on the diagram to be colder than the place labelled **Y**. (10)

Two reasons @ 5 marks (St. 3mks + Dev 2mks)

Suggested answer

X is on a North facing slope and is exposed to cold northerly winds.

- B.** The graph shows the numbers of tourists who visited a coastal resort in Spain in the course of a year.

(i) Which is the 'peak' or busiest tourist month at this coastal resort?

(1)

Name @ 1 mark

Suggested answer

August

(ii) Using the information in the Table below, explain **three** reasons why so many people visited the resort during its peak tourist month.

(9)

Three reasons @ 3 marks (St. 2mks + Dev 1mk)

Suggested answer

August is the warmest month, temperatures average 27 degrees centigrade.

- C. Climate and Development**

Explain how climate has hindered (slowed down) the development of **one** named **developing country**. (10)

Name @ 2 marks

Suggested answer.

Mali, Sudan, Ethiopia etc.

Two explanations @ 4marks (St. 2mks + Dev 2mks)

Suggested answer.

A lack of rain and drought cause desertification and this leads to migration.

Q.2. AGENTS OF EROSION

Answer on EITHER Coasts OR Glaciation

Coasts – The Work of the Sea

A. Feature of coastal erosion

Name one feature of coastal erosion and, with the aid of a diagram, explain how it was formed. (10)

Name @ 2 marks

Suggested answer.

Cliff / Cave, Blowhole, Geo / Sea-arch, Stack, Stump / Wave-cut platform etc.

Two explanations @ 3 marks (St. 2mks + Dev. 1mk)

Diagram @ 2mks (Diag. 1mk + Labelled 1mk)

Suggested answer.

A sea-cave is formed by hydraulic action. This is the force of the water as it hits against the rock.

B. Feature of coastal deposition

Name one feature of coastal deposition and with the aid of a diagram, explain how it was formed. (10)

Name @ 2 marks

Suggested answer.

Beach, Bar, Spit, Tombolo, etc.

Two explanations @ 3 marks (St. 2mks + Dev. 1mk)

Diagram @ 2mks (Diag. 1mk + Labelled 1mk)

Suggested answer

A sand-spit forms when longshore drift has been interrupted and deposition occurs.

C. Coasts and People

(i) Name and briefly explain **one** way that people use coastal areas. (5)

Name @ 2 marks

Suggested answer.

Tourism, Fishing, Recreation, etc.

One explanation @ 3 marks (St. 2mks + Dev. 1mk)

Suggested answer

In some coastal areas sandy beaches form which attract tourists eg Brittas Bay.

(ii) Name and briefly explain **one** way that people pollute coastal areas. (5)

Name @ 2 marks

Suggested answer

Domestic, Industrial

One explanation @ 3 marks (St. 2mks + Dev. 1mk)

Suggested answer.

Oil tankers may crash at sea spilling a lot of oil which is washed ashore, killing birds.

Q.2. (alternative)

OR

Glaciation – The Work of Ice

A. Feature of glacial erosion

Name one feature of glacial erosion and with the aid of a diagram, explain how it was formed. (10)

Name @ 2 marks

Suggested answer

U shaped valley, Corrie / Cirque, Pyramidal peak, etc

Two explanations @ 3 marks (St. 2mks + Dev. 1mk)

Diagram @ 2mks (Diag. 1mk + Labelled 1mk)

Suggested answer

Look for use of terminology, plucking, abrasion, etc.

B. Feature of glacial deposition

Name one feature of glacial deposition and with the aid of a diagram, explain how it was formed. (10)

Name @ 2 marks

Suggested answer.

Moraine, Drumlins, Erratics, etc.

Two explanations @ 3 marks (St. 2mks + Dev. 1mk)

Diagram @ 2mks (Diag. 1mk + Labelled 1mk)

Suggested answer.

Look for use of terminology.

C. Glaciation and People

Name and briefly explain **one** way that people benefit from the results of glaciation. (5)

Name @ 2 marks

Suggested answer.

Tourism, HEP, Agriculture, etc.

One explanation @ 3 marks (St. 2mks + Dev. 1mk)

Suggested answer.

Boulder clay deposits can develop into fertile soil.

(ii) Name and briefly explain **one** disadvantage of the results of glaciation. (5)

Name @ 2 marks

Suggested answer.

Poor soil, Poor drainage.

One explanation @ 3 marks (St. 2mks + Dev. 1mk)

Suggested answer.

Where drumlins have formed they can make communications more difficult as roads have to wind around them.

Question 3. **ECONOMIC ACTIVITIES**

A. The depletion of a resource.

The graph shows a decline over time in herring catches in part of the Celtic Sea.

- (i) Calculate the decline in the herring catch between the year of maximum catch and the year of minimum catch. (2)

Calculation @ 2 marks

Suggested answer

Nine thousand tonnes.

- (ii) Explain **two** reasons for the **decline** in fish stocks in Irish waters in recent years. (6)

Two reasons @ 3 marks (St. 2mks + Dev. 1 Mk)

Suggested answer

Boats are more efficient with radar and sonar.

- (iii) The Irish Government and the European Union try to **conserve** fish stocks to prevent their depletion or further reduction. Describe two ways in which this might be achieved. (4)

Two descriptions @ 2mks (St. 1mk + Dev.1mk)

Suggested answer

Quotas have been introduced which limit the amount of fish each member state catches.

B. Manufacturing industry

The location of Manufacturing Industries is influenced by many factors including:

- **Raw Materials**
- **Labour**
- **Markets**
- **Transport**
- **Services**
- **Capital**
- **Government Policies**
- **Personal Preferences**

Name one manufacturing industry in Ireland that you have studied. Explain how any **two** factors listed above influenced the location of the industry you name. (10)

Name @ 2marks

Suggested answer

Any named type of manufacturing industry.

Two explanations @ 4 marks (St 2mks. + Dev. 2mks)

Suggested answer

Labour: a large educated workforce nearby in Cork city with graduates from local third level institutions eg UCC, Cork IT.

C. International Trade

The graph shows who makes the profits in coffee production.

Explain how unfair trading may be a cause of poverty in the developing world. (8)

Two explanations @ 4 marks (St.2mks + Dev. 2mks)

Suggested answer

Developing countries receive a small share of the income, only 20%, and therefore have little money to invest in development.

Question 4. GEOGRAPHICAL MIX

Answer **three** of the following questions **A, B, C** and **D**.

A. An Irish cave

Examine the photograph of a cave in Ireland.

- (i) What type of rock is shown? (1)

Name @ 1 mark

Suggested answer

Limestone.

- (ii) Identify the feature labelled **X** and the feature labelled **Y** (2)

Two features @1mk

Suggested answer

X= Stalactite Y= Stalagmite

- (iii) Describe fully how the rock shown in the photograph is weathered by rainwater. (7)

Two descriptions @ (St. 2 mks + Dev.2mks)+(St. 2mks + Dev.1mk)

Suggested answer

As rain falls it joins with carbon dioxide and forms a weak carbonic acid.

B. Weather

Examine the weather map.

- (i) What name is given to the numbered lines shown on this map? (1)

Name @1mark

Suggested answer

Isobars

- (ii) What name is given to the feature labelled **A** on the map? (1)

Name @1mark

Suggested answer

Warm front.

- (iii) What name is given to the feature labelled **B** on the map? (1)

Name @1mark

Suggested answer

Cold front

- (iv) What is the atmospheric pressure at **C** on the map? (1)

Name @1mark

Suggested answer

1024 mbs

- (v) Describe the weather conditions that you would expect to find at **D** on the map. (6)

Three descriptions @ 2mks

Suggested answer

The weather is showery.

Winds remain steady or decreasing.

C. Population change.

The diagram shows population change over time.

- (i) What name is given to this diagram? (1)

Name @1mark

Suggested answer

Population cycle, Demographic transition.

- (ii) At which stage of the diagram is the *death rate* at its highest? (1)

Name @1mark

Suggested answer

Stage 1

- (iii) At which stage of the diagram is the *total population* growing most rapidly? (1)

Name @1mark

Suggested answer

Stage 2

- (iv) At which stage is there a *natural decrease* in the population? (1)

Name @1mark

Suggested answer

Stage 5

- (v) Briefly explain each of the following:

- Why the death rate fluctuates (goes up and down) at *Stage 1*.
- Why the death rate declines rapidly at *Stage 2*.
- Why the birth rate declines at *Stage 3*.

(6)

Three explanations@ 2mks

Suggested answer

Famine and epidemics occur.

Food supplies improve.

The status of women improves.

D. Urban matters.

The sketch map shows some functional zones within a city.

The photographs A and B show different functions in a city.

- (i) In which functional zone shown in the sketch was each photograph taken? (2)

Name @ 2marks

Suggested answer

A=CBD B=Older residential zone

- (ii) Describe land values and buildings within the Central Business District of any large city in the developed world. (6)

Three descriptions @ 2 marks

Suggested answer

High demand leads to high land values.

Buildings are built upwards to make full use of land.

- (iii) Briefly explain the meaning of the term ‘urban sprawl’. (2)

One description @ 2 marks

Suggested answer

Rapid growth of housing from urban areas outwards into the countryside.

Question 5. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH

- A.** Examine the **ORDNANCE SURVEY MAP** provided.
- (i) What is the general **direction** from Galway Airport (M 374 284) to the road roundabout at M 352 258? (3)
Named direction @ 3 marks
Suggested answer
South West
- (ii) Name the type of **settlement pattern** that exists at M 36 30. (3)
Named type @ 3 marks
Suggested answer
Linear/Ribbon
- B.** Examine the **AERIAL PHOTOGRAPH** provided. **Draw a sketch map** of the photograph. On your sketch map **show and label** each of the following features:
- A river
 - The large church near the Middle of the photograph
 - A housing estate in the Right Background
 - A recreation area in the Right Foreground. (10)
- Four features named and shown @ 2 marks**
Shape and Orientation @2marks(1m + 1mk}
- C.** Identify *two ways* that Galway City uses **traffic management** to reduce traffic problems. Use evidence from the **AERIAL PHOTOGRAPH** supplied to support your answer.(6)
- Two ways @ 3 marks(St. 2mks + Evid. 1mk)**
Suggested answer
Yellow boxes, carpark.
- D.** Outline **three reasons** for the development of the city of Galway. Use the **ORDNANCE SURVEY MAP** *and/or* the **AERIAL PHOTOGRAPH** provided to support your answer. (8)
- Three reasons @ 3mks (St. 1mks + Dev. 1mk + evid. 1mk) + 3mks (St. 1mks + dev.1mk + evid. 1mk) + 2mks (St. 1mk + evid. 1mk)**
Suggested answer
Defensive, castle (six-figure grid reference with letter).