



Coimisiún na Scrúduithe Stáit  
*State Examinations Commission*

# **JUNIOR CERTIFICATE 2009**

## **MARKING SCHEME**

### **GEOGRAPHY**

#### **HIGHER LEVEL**

## Marking Scheme – Geography – Junior Certificate Higher Level 2009

### Section 1 Folder Question

20 Questions @ 3 marks each = 60 marks

1. 1 @ 3 marks  
Sandstone, limestone and shale
  2. 3 @ 1 mark  
1 = stalactite, 3 = pillar, 5= clint
  3. 1 @ 3 marks  
(iii) Eroding at A and depositing at C.
  4. 3 @ 1 mark each  
(i) renewable (ii) echo sounders (iii) over-fishing
  5. 3 @ 1 mark each  
mine worker, farmer, fisherman
  - 6.. 3 @ 1 mark  
(i) Tundra (ii) Hot Desert (iii) Equatorial
  - 7A. 1 @ 3 marks  
(ii) Arête, cirque, U-shaped valley
- Or**
- 7B.. 1 @ 3 marks  
(ii) Blow hole, sea cliff, sea stack
  - 8A. 2 @ 1 mark + 2 marks  
(i) July. (ii) 12° C
- Or**
- 8B. 3 @ 1 mark each

<b>Weather Instrument</b>	<b>Letter</b>
Wind vane	D
Anemometer	B
Thermometer	A
Campbell- Stokes Recorder	C

9A. 1 @ 3 marks

(i) Industrial inertia

**Or**

9B. 1 @ 3marks

(iii) 2,3,5.

10. 3 @ 1mark

(i) True(ii) False (iii) True

11. 3 @1 mark

(i) A = Nucleated/clustered (ii) B = Dispersed/scattered (iii) Linear/ribbon.

12. 3 @ 1mark

A	2
B	4
C	<b>1</b>
D	<b>3</b>

13. 3 @ 1 mark

(i) Galway (ii) Leitrim (iii) Leitrim

14. 3 @ 1mark

(i) Rhine (ii) Netherlands/Holland (iii) Polders

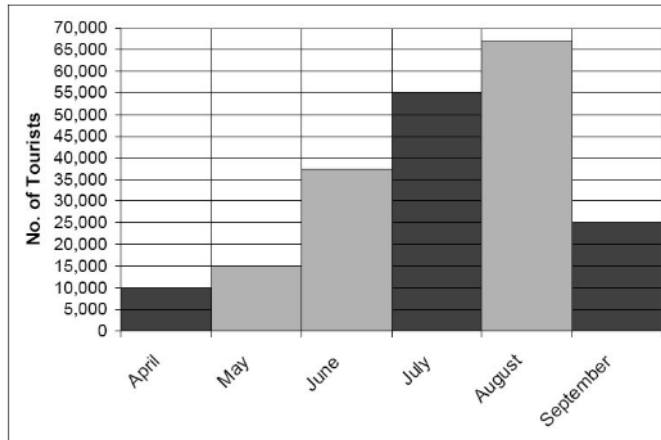
15. 1@ 3 marks

(ii) The Developed World benefits more than the Developing World.

16. 3 @ 1 mark

Letter	Urban Area
B	CBD
D	Industrial estate
<b>C</b>	<b>Urban renewal</b>
A	Suburb

17. 3 @ 1 mark



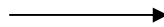
18. 1 @ 3 marks  
South East

19. 3 @ 1 mark

<b>A</b>	<b>3</b>
<b>B</b>	<b>1</b>
<b>C</b>	<b>4</b>
<b>D</b>	<b>2</b>

20 1 @3 marks  
(iii) Left middleground

Draw a small grid to **Total Marks** for each **Question** on the Folder.



<b>Mk</b>	<b>X</b>	<b>Qs = Total</b>
3	X	11 = 33
2	X	6 = 12
1	X	2 = 2
0	X	1 = 0
		<b>20 = 47</b>

Please enter the folder total mark on the top right corner of the first page of the candidate's script. When entering the mark on the front grid enter it as **F = 47** as per example above.

**Marking Scheme – Geography – Junior Certificate  
Higher Level 2009  
Section 2**

**Question 1.** **RAINFALL, GLOBAL WARMING AND ACID RAIN**

**A. Relief Rainfall**

Explain with the aid of a diagram how **relief rainfall** occurs. (10)  
**Two explanations @ 5 marks** (St: 2 mks + Dev 2mks + ref to diagram 1mk.)

**B. Acid Rain**

The **map below** indicates acid rain levels throughout Europe.

- (i) According to this map which **one** of the following countries is likely to **suffer most** from the effects of acid rain: *Spain, The UK, France, Sweden?* (2)

**One name @ 2 marks**

**Suggested answer.**

Sweden

- (ii) Describe **two impacts** (effects) of acid rain. (6)  
**Two impacts @ 3marks each** (St. 2 mks + Dev. 1mk.)

**C. Global Warming**

- (i) Answer the following questions that relate to *the newspaper extract provided*:
- (a) By how much have average temperatures increased in Ireland over the past one hundred years?

**Name temperature @ 2 marks**

**Suggested answer.**

0.7°C

- (b) Which parts of the country are likely to be worst affected by the climate changes mentioned in the extract?

**Name parts @ 2 marks** (1mk + 1mk)

**Suggested answer.** (4)

South and East.

- (ii) Describe **two causes** of global warming. (8)  
**Two causes @ 4 marks** (St: 2mks + Dev 2mks)

**Q.2. AGRICULTURE AND IRRIGATION**

**A. An Irish Farm**

Examine the sketch map of an Irish farm below and answer the questions which follow:

- (i) What is the size in hectares of the largest field on the farm?  
**Area @ 2marks**  
**Suggested answer.**  
15.9 hectares
- (ii) How many hectares in total are devoted to barley?  
**Area @ 2marks**  
**Suggested answer.**  
13.2 hectares
- (iii) The total area of the farm is 60 hectares. Calculate the percentage of the land that is devoted to permanent grass.  
**Percentage @ 2marks**  
**Suggested answer.**  
40 %
- (iv) Why is the growth of coniferous trees an appropriate land use for the 3.1 hectare field at the north of the farm? (11)  
**Reason @ 5 marks (St. 3mks + Dev 2mks)**

**B. Farming as a System**

Farming is a system with **inputs, processes and outputs**.  
Explain these **three** terms and give an example of **each**. (9)

**Three explanations @ 3 marks (St. 2mks + Ex 1mk)**

**C. Irrigation**

Farms throughout the world sometimes benefit from major irrigation projects.

- (i) What is meant by the term '**irrigation**'?  
Definition @ 2 marks
- (ii) Describe any **one** major irrigation project that you have studied. (10)  
**Name of project @ 2 marks**  
Central Valley California

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

**Question 3. POPULATION, DEVELOPING WORLD CITIES AND BILATERAL AID**

A. Examine the population pyramids below.  
One of the pyramids represents a developing country and the other represents a developed country.

- (i) State which pyramid shows the population structure of a **developing country**.  
**Name @ 2 marks**  
**Suggested answer.**  
Pyramid B
- (ii) Describe **two major contrasts** (differences) between the population structures of these two countries. **Refer to both population pyramids for each contrast** that you describe. (10)  
Two descriptions @ 4 marks (St. 2mks + Dev 2mks)

B. High population densities have contributed to serious problems in many cities in the Developing World.

- (i) Name **one** city in the Developing World that you have studied.  
**One name @ 2 marks**  
**Suggested answer.**  
Calcutta
- (ii) Describe **two major problems** in the named city. (10)  
**Two descriptions @ 4 marks (St. 2mks + Dev 2mks)**

C. Some countries such as Ireland provide bilateral aid to reduce poverty in the Developing World.

- (i) What is meant by the term '**bilateral aid**'?  
**One meaning @ 2 marks**
- (ii) Outline **one argument in favour of** and **one argument against** the use of aid as a means of assisting countries of the Developing World. (10)  
**Two arguments @ 4 marks (St. 2mks + Dev 2mks)**

**Question 4. GEOGRAPHICAL MIX**

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

Mark all answers attempted by candidates, but credit marks for the best three only. Square bracket the surplus question.

**A. Earthquakes**

- (i) Name **one** place where earthquakes occur.  
**One name @ 2 marks**  
**Suggested answer.**  
San Andreas Fault California , any relevant place on a plate margin.
- (ii) Examine the diagram showing the shockwaves of an earthquake and name the areas labelled **A** and **B**.  
**Two areas @ 1 mark each**  
**Suggested answer.**  
A = Focus  
B = Epicentre
- (iii) Briefly describe the **cause** of earthquakes. (10)  
**One Description @ 6 marks (St. 2mks + Dev 2mks + Dev 2mks)**

**B. Tourism**

- (i) Name **four** reasons why tourists come to Ireland.  
**4 names @ 1 mark each**
- (ii) Large-scale tourism may have **unwelcome impacts** on some tourist areas.  
Describe **two** such impacts. (10)  
**2 Descriptions @ 3 marks each (St. 2mks + Dev 1mk)** (10)



### C. Human Migration

- (i) Examine the bar chart, which shows the numbers of immigrants from a selection of regions who lived in Ireland in 2002 and in 2006.

(a) From which country did most immigrants come in 2006?

**Name of country @ 1 mark**

**Suggested answer.**

U.K.

(b) From which country did immigration to Ireland grow most rapidly between 2002 and 2006?

**Name of country @ 1 mark**

**Suggested answer.**

Poland

(c) Calculate the increase in the numbers of immigrants from Lithuania to Ireland between 2002 and 2006. (4)

**Calculation @ 2 marks**

22,000

- (ii) Explain the following terms relating to human migration:

(a) Pull factors.

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

(b) Emigrant.

(6)

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

### D. The aerial photograph

Examine the aerial photograph provided with this examination paper.

- (i) Identify and locate **two** types of **urban** land-use to be seen on the photograph.

**Two urban land-uses @ 2 marks each (Id. 1mk + loc. 1mk)**

- (ii) At what time of year was this photograph taken? Explain **one** reason for your answer. (10)

**Time of year @ 2 marks**

**One explanation @ 4 marks (St. 2mks + Loc 2mks)**

**Question 5. ORDNANCE SURVEY MAP**

Examine the Ordnance Survey map provided.

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

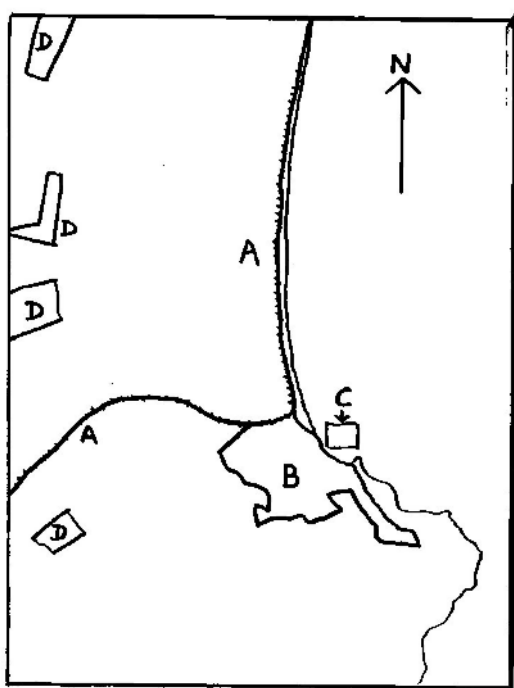
**Show and label each** of the following on your sketch:

- The entire length of the railway line as shown on the map
- The built up area of Wicklow town
- Boating activities
- An area of coniferous forest.

(10)

**Four features @ 2mks**

**Frame of map @ 2mks** (Shape 1 mk + orientation 1 mk)



**A = Railway line**  
**B = Built up area**  
**C = Boating activity**  
**D = Area of coniferous forest.**

**B. (i)** Estimate in square kilometres the area of the sea shown on the map. (4)

**Area @ 4 marks**

**Suggested answer.**

36/37 square kilometers

**(ii)** Measure in kilometres the length of the railway line from the railway station in Wicklow at T 307 947 to where it leaves the map at T 260 933. (4)

**Distance @ 4 marks**

**Suggested answer.**

5.4/5.6 kilometres

**C.** Explain **three** reasons why the town of Wicklow developed at this location. (12)

**Three reasons @ 4 marks** (St. 2mks + Dev 1mk + Ev. 1mk)

**FOLDER SUMMARY MARK SHEET**

- 1. Sandstone, limestone and shale 3
- 2. 1 = stalactite, 3 = pillar, 5= clint 1+1+1
- 3. (iii) Eroding at A and depositing at C. 3
- 4. (i) renewable (ii) echo sounders (iii) over-fishing 1+1+1
- 5. mine worker, farmer, fisherman 1+1+1
- 6. (i) Tundra (ii) Hot Desert (iii) Equatorial . 1+1+1
- 7.A. (ii) Arête, cirque, U-shaped valley 3

**Or**

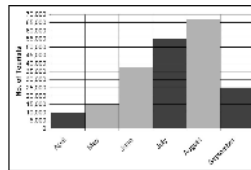
- 7.B(ii) Blow hole, sea cliff, sea stack 3
- 8.A. (i) July. (ii) 12° C 1 + 2

**Or**

- 8.B. Wind vane=D, Thermometer=A, Campbell -Stokes Recorder=C 1+1+1
- 9.A. (i) Industrial inertia 3

**Or**

- 9.B. (iii) 2,3,5. 3
- 10. (i) True(ii) False (iii) True 1+1+1
- 11. (i) A = Nucleated/clustere d (ii) B = Dispersed/scattered (iii) Linear/ribbon. 1+1+1
- 12. A=2, B=4, D=3 1+1+1
- 13. (i) Galway (ii) Leitrim (iii) Leitrim 1+1+1
- 14. (i) Rhine (ii) Netherlands/Holland (iii) Polders 1+1+1
- 15 (ii) The Developed World benefits more than the Developing World. 3
- 16 B=CBD, D=Industrial Est, A= Suburb 1+1+1
- 17. 1+1+1



- 18 South East 3
- 19. B=1, C=4 , D=2 1+1+1
- 20. (iii) Left middleground 3

## Summary Marking Scheme

### Question 1. **RAINFALL, GLOBAL WARMING AND ACID RAIN**

- A. Two explanations @ 5 marks (St: 2 mks + Dev 2mks + ref to diagram 1mk.)
- B. (i) One name @ 2 marks  
(ii) Two impacts @ 3marks each(St. 2mks + Dev 1mk)
- C. (i) (a) Temperature @ 2 marks  
(b) Name parts @ 2 marks (1mk + 1mk)  
(ii) Two causes @ 4 marks (St: 2mks + Dev 2mks)

### Question 2. **AGRICULTURE AND IRRIGATION**

- A. (i) Area @ 2marks  
(ii) Area @ 2marks  
(iii) Percentage @ 2marks  
(iv) Reason @ 5 marks(St. 3mks + Dev 2mks)
- B. Three explanations @ 3 marks (St. 2mks + Ex 1mk)
- C. (i) Definition @ 2 marks  
(ii) Name of project @ 2 marks  
Two description @ 3 marks (St. 2mks + Dev 1mk)

### Question 3. **POPULATION, DEVELOPING WORLD CITIES AND BILATERAL AID**

- A (i) Name @ 2 marks  
(ii) Two descriptions @ 4 marks (St. 2mks + Dev 2mks)
- B. (i) One name @ 2 marks  
(ii) Two descriptions @ 4 marks (St. 2mks + Dev 2mks)
- C. (i) One meaning @ 2 marks  
(ii) Two arguments @ 4 marks (St. 2mks + Dev 2mks Dev. 2mks)

### Question 4. **GEOGRAPHICAL MIX**

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

#### A. Earthquakes

- (i) One name @ 2 marks
- (ii) Two areas @ 1 mark each
- (iii) One Description @ 6 marks (St. 2mks + Dev 2mks)

#### B. Tourism

- (i) Four names @ 1 mark each
- (ii) Two Descriptions @ 3 marks each (St. 2mks + Dev 1mk)

#### C. Human Migration

- (i) (a) Name of country @ 1 mark  
(b) Name of country @ 1 mark  
c) Calculation @ 2 marks
- (ii) (a) One explanation @ 3 marks (St. 2mks + Dev 1mk)  
(b) One explanation @ 3 marks (St. 2mks + Dev 1mk)

#### D. The aerial photograph

- (i) Two urban land-uses @ 2 marks each (Id. 1mk + loc. 1mk)
- (ii) Time of year @ 2 marks  
One explanation @ 4 marks (St. 2mks + Loc 2mks)

### Question 5. **ORDNANCE SURVEY MAP**

- A. Four features @ 2mks  
Frame of map @ 2mks (Shape 1 mk + orientation 1 mk)
- B. (i) Area @ 4 marks  
(ii) Distance @ 4 marks
- C. Three reasons @ 4 marks (St. 2mks + Dev 1mk + Ev. 1mk)