



Coimisiún na Scrúduithe Stáit
State Examinations Commission

Junior Certificate 2013

Marking Scheme

Geography

Higher Level

Note to teachers and students on the use of published marking schemes

Marking schemes published by the State Examinations Commission are not intended to be standalone documents. They are an essential resource for examiners who receive training in the correct interpretation and application of the scheme. This training involves, among other things, marking samples of student work and discussing the marks awarded, so as to clarify the correct application of the scheme. The work of examiners is subsequently monitored by Advising Examiners to ensure consistent and accurate application of the marking scheme. This process is overseen by the Chief Examiner, usually assisted by a Chief Advising Examiner. The Chief Examiner is the final authority regarding whether or not the marking scheme has been correctly applied to any piece of candidate work.

Marking schemes are working documents. While a draft marking scheme is prepared in advance of the examination, the scheme is not finalised until examiners have applied it to candidates' work and the feedback from all examiners has been collated and considered in light of the full range of responses of candidates, the overall level of difficulty of the examination and the need to maintain consistency in standards from year to year. This published document contains the finalised scheme, as it was applied to all candidates' work.

In the case of marking schemes that include model solutions or answers, it should be noted that these are not intended to be exhaustive. Variations and alternatives may also be acceptable. Examiners must consider all answers on their merits, and will have consulted with their Advising Examiners when in doubt.

Future Marking Schemes

Assumptions about future marking schemes on the basis of past schemes should be avoided. While the underlying assessment principles remain the same, the details of the marking of a particular type of question may change in the context of the contribution of that question to the overall examination in a given year. The Chief Examiner in any given year has the responsibility to determine how best to ensure the fair and accurate assessment of candidates' work and to ensure consistency in the standard of the assessment from year to year. Accordingly, aspects of the structure, detail and application of the marking scheme for a particular examination are subject to change from one year to the next without notice.

Section 1 Folder Question

Allow 20 Questions @ 3 marks each = 60 marks

1. 3 @ 1 mark each
(i) Crater (ii) Vent (iii) Magma Chamber/Magma Reservoir
2. 3 @ 1 mark each
(i) Source (ii) Tributary (iii) Alluvium
3. 1 @ 3 marks --Relief rainfall
4. 3 @ 1 mark each
(i) Heavier (ii) Cold (iii) Prevailing Wind
5. 3 @ 1 mark each
(i) Collide (ii) Armorican (iii) Andes
6. 3 @ 1 mark each
(i) 15.4mm (ii) 2.9°C (iii) 14.1°C
- 7A. 3 @ 1 mark each
(i) Saudi Arabia (ii) Oil (iii) Non-renewable

OR

- 7B. 3 @ 1 mark each
(i) Isobars (ii) Isotherms (iii) Isohels

8A.

| | |
|---|---|
| X | Y |
| A | 2 |
| B | 3 |
| C | 4 |
| D | 1 |

OR

8B.

| | |
|---|---|
| X | Y |
| A | 4 |
| B | 3 |
| C | 1 |
| D | 2 |

- 9A. 1 @ 3 marks --- From Coalfields to Coasts

OR

- 9B. 1 @ 3 marks --- Linear

10. 3 @1m each
(i) False (ii) False (iii) True
11. 3 @ 1m each
(i) False (ii) True (iii) False
12. 3 @ 1 mark each
(i) 2004 (ii) 6000 (iii) 1000
13. 3 @ 1 mark each
(i) False (ii) True (iii) False
14. 3 @ 1 mark each
(i) Coniferous Plantation (ii) Upland (iii) Short
15. 1 @ 3 marks --- 2,3,4
16. 1 @ 3 marks --- 2,4,5
17. 1 @ 3 marks --- NNE/NE
- 18.
- | | |
|---|---|
| X | Y |
| A | 3 |
| B | 4 |
| C | 2 |
| D | 1 |
19. 1 @ 3 marks ---- Bree
20. 1 @ 3 marks ---- Meander

Please complete **The Folder Marking Grid** on front cover of Folder and enter the **Folder Total Mark** on the **top right corner of the first page** of the candidate's script. E.g. **F 46**

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)

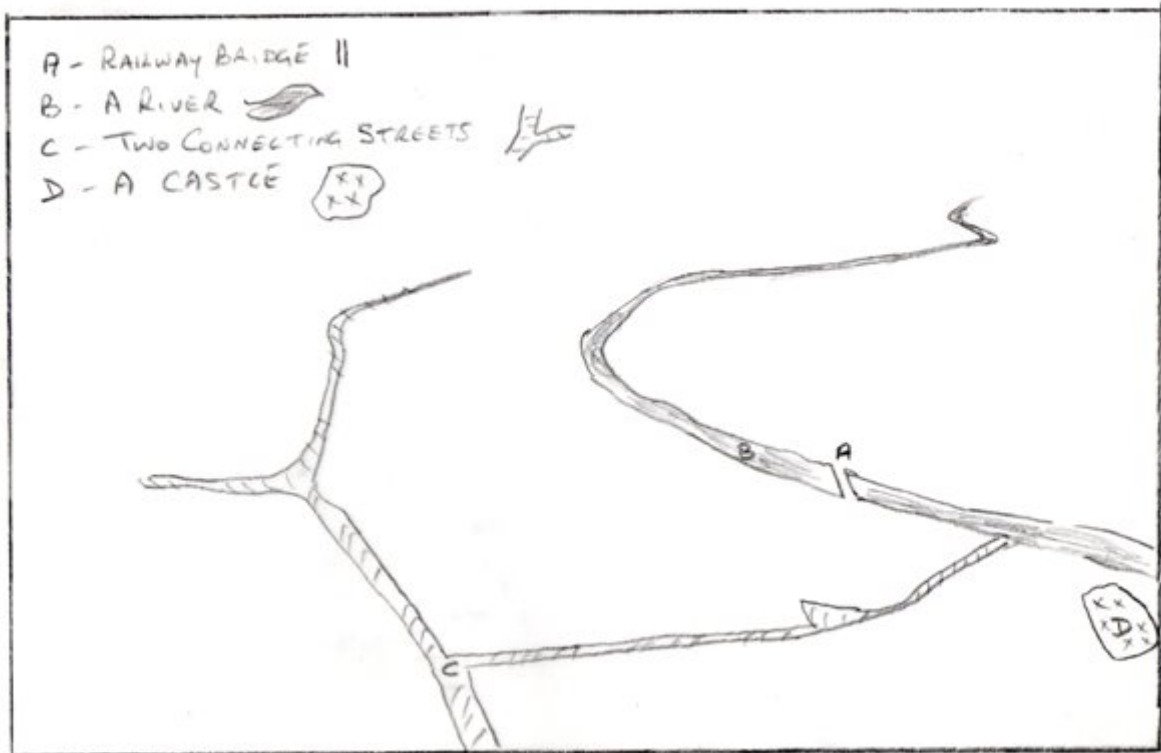
Question 5. AERIAL PHOTOGRAPH AND ORDNANCE SURVEY MAP

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)

FOLDER SUMMARY MARK SHEET

| | | |
|-----------|---|-------|
| 1. | Crater, Vent, Magma Chamber/Magma Reservoir | 1+1+1 |
| 2. | Source, Tributary, Alluvium | 1+1+1 |
| 3. | Relief Rain | 3 |
| 4. | Heavier, Cold, Prevailing Wind | 1+1+1 |
| 5. | Collide, Armorican, Andes | 1+1+1 |
| 6. | 15.4mm, 2.9°C, 14.1°C | 1+1+1 |
| 7A. | Saudi Arabia, Oil, Non-renewable | 1+1+1 |
| Or | | |
| 7B. | Isobars, Isotherms, Isohels | 1+1+1 |
| 8A. | 3,4,1 | 1+1+1 |
| Or | | |
| 8B. | 4,3,2 | 1+1+1 |
| 9A. | Coalfields to Coasts | 3 |
| Or | | |
| 9B. | Linear | 3 |
| 10. | False, False, True, | 1+1+1 |
| 11. | False, True, False | 1+1+1 |
| 12. | 2004, 6000, 1000 | 1+1+1 |
| 13. | False, True, False | 1+1+1 |
| 14. | Coniferous, Upland, Short | 1+1+1 |
| 15. | 2,3,4 | 3 |
| 16. | 2,4,5 | 3 |
| 17. | NNE/NE | 3 |
| 18. | 4,2,1 | 1+1+1 |
| 19. | Bree | 3 |
| 20. | Meander | 3 |

Question 1. NATURAL PROCESSES

- A. Weathering** (i) Name @2m
(ii) Two Exp @4m each (St2 + D2)
- B. Mass Movement** (i) Precip Exp @2m (St1+D1) Grad Exp @2m (St1+D1)
(ii) Type @2m Two Effects each @2m (St1+D1)
- C. River feature** Diag (1+1) Two Exp @4m each (St2+D2)

Question 2. RESTLESS ATMOSPHERE

- A. Water Cycle** (i) Four exp each @2m (St1+D1)
(ii) Clouds 1+1
- B. Climate factors** Three exp @ 4m each (St2+D2)
- C. Greenhouse** Diag @2m Two Exp @3m each (St2+D1)

Question 3. GEOGRAPHICAL MIX

- A. Soils** (i) Two Des/Exp @3m each (St2+D1) One @2m (St1+D1)
(ii) Names 1+1
- B. Migration** (i) Name @1m
(ii) Two effects @3m each (St2+D1)
(iii) Barrier @3m (St2+D1)
- C. Tourist Reg** (i) Named 1+1
(ii) Two Exp @4m each (St2+D1+D1)
- D. Bogs** (i) Two Des @3m each (St1+D1+D1)
(ii) Two Reasons @2m each (St1+D1)

Question 4. URBANISATION

- A. Dev World** (i) City @2m
(ii) Two Exp @4m each (St2+D1+D1)
- B. Urban Functions** (i) City @1m
(ii) Three Des @3m each (St2+D1)
- C. Urb Development** (i) Zone @2m
(ii) Two Reasons @2m each (St1+D1)
(iii) Two Problems @2m each (St1+D1)

Question 5. AERIAL PHOTOGRAPH AND ORDNANCE SURVEY MAP

- A. Sketch** Four features @2m each Frame /Orient 1+1
- B. Econ Act** (i) Three named + located @1+1
(ii) Two Reasons @2m each (St1+D1)
- C. Ind Est** Three Reasons One @4m (St2+D1+Ev1)
Two @3m each (St1+D1+Ev1)