



Coimisiún na Scrúduithe Stáit State Examinations Commission

JUNIOR CERTIFICATE EXAMINATION, 2019

GEOGRAPHY – HIGHER LEVEL

SECTION 2 (90 marks)

FRIDAY 7 JUNE – MORNING 9:30 – 11:30

SECTION 1 of this paper is in a separate folder, where spaces are provided for your answers.

PLEASE REMEMBER TO RETURN YOUR COMPLETED **SECTION 1 FOLDER** WITH YOUR ANSWER BOOK.

SECTION 2 (90 marks)

Answer any **THREE** questions.
All questions carry equal marks.

Question 1. THE EARTH'S SURFACE

1A. Plate Tectonics

- (i) State whether each of the following features is formed as a result of plates colliding or plates separating:
- (a) Mid-ocean ridge
 - (b) Volcano
 - (c) Fold mountain
- (ii) Explain, with the aid of a labelled diagram, how any **one** of the features listed in part (i) above was formed.
- (12)

1B. Rivers

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

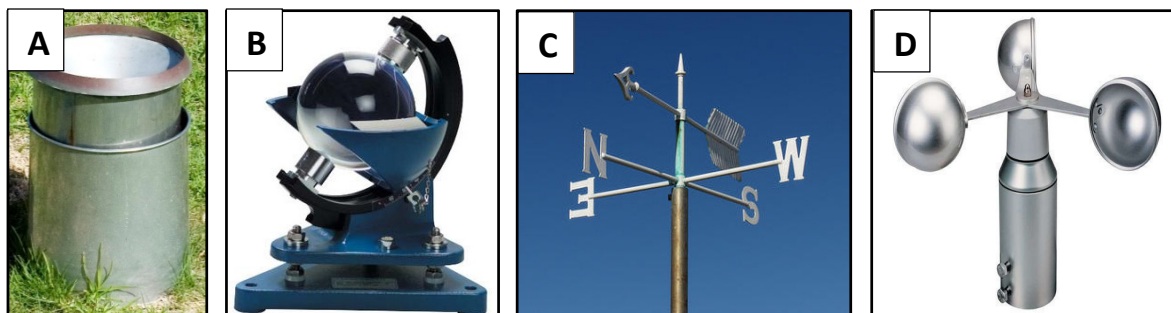
(10)

1C. Rivers and Human Activity

- (i) Explain **one** way that rivers may be of economic use to people.
- (ii) Explain **one** way that people pollute rivers.
- (8)

Question 2. CLIMATE AND WEATHER

2A. Weather Instruments



Amended from: www.google.com; metcheck.co.uk; indiamart.com

- (i) Name each of the weather instruments labelled **A**, **B**, **C** and **D** above.
- (ii) Choose any **two** of the instruments shown above and describe how each of them is used to record weather.

(10)

2B. Rainfall

Describe, with the aid of a labelled diagram, how **frontal rainfall** occurs.

(8)

2C. Climate Type

- (i) Name **one** climate type that you have studied.
- (ii) Describe and explain the temperature **and** precipitation characteristics of the climate you named in part (i) above.
- (iii) Describe **one** way that the natural vegetation has adapted to this climate.

(12)

Question 3. GEOGRAPHICAL MIX

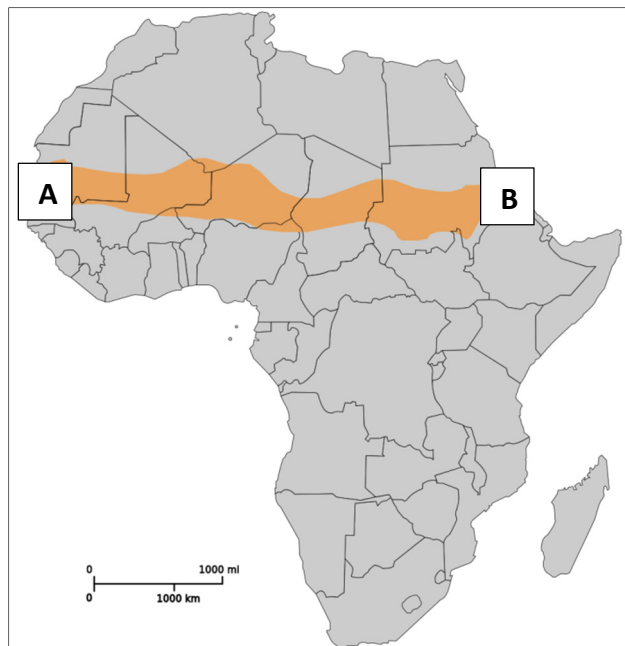
Answer **ANY THREE** of the questions **3A, 3B, 3C, 3D**.

3A. Population Density

- (i) Explain what is meant by the term *population density*.
- (ii) Name **one** example of a region that you have studied that has a low population density.
- (iii) Explain **two** effects of low population density on a region.

(10)

3B. Desertification



Amended from www.wikipedia.org

- (i) Name the area shaded orange marked **A** to **B** on the map above.
- (ii) Explain **one** human cause of desertification.
- (iii) Describe **two** ways to limit the spread of deserts in a region.

(10)

3C. URBAN GEOGRAPHY

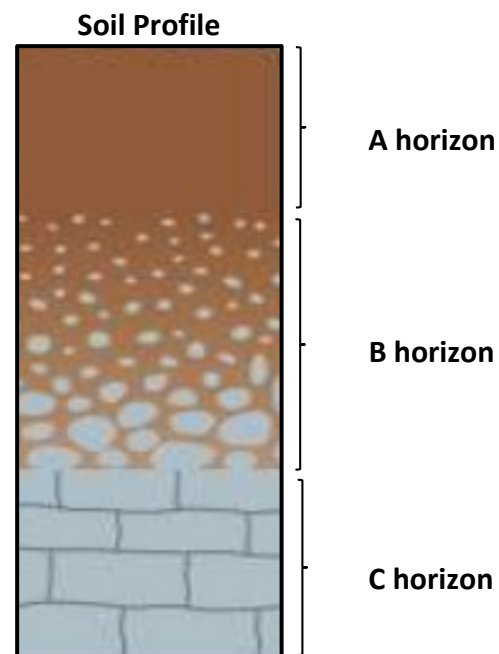
Cities have different functional zones including:

- The Central Business District
- Residential
- Industrial
- Shopping
- Open space.

Choose any **three** of the functional zones named above and for **each** one explain why it is located where it is, in a city that you have studied.

(10)

3D. Soil



Amended from www.slideshare.net

- (i) Describe and explain the formation of the soil profile shown above.
- (ii) Name Ireland's most common soil type.

(10)

Question 4. ECONOMIC ACTIVITIES

4A. Ordnance Survey Map and Secondary Economic Activity

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

- (i) Using a six-figure grid reference, identify a suitable location for a new factory in the area shown on the Ordnance Survey map.
- (ii) Explain **three** reasons why this would be a suitable location, using evidence from the Ordnance Survey map to support each reason.

(10)

4B. Irrigation

- (i) State what is meant by the term *irrigation*.
- (ii) Describe **one** positive effect and **one** negative effect of any irrigation scheme that you have studied.

(10)

4C. Tourism

Climate data for the Costa del Sol (Spain)

Month	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Temperature (°C)	12	13	14	16	19	22	25	26	23	19	15	13
Rainfall (mm)	83	75	59	40	23	13	2	5	15	57	115	98
Daily hours of sunshine	5	7	8	9	8	10	11	11	8	7	6	5

Amended from www.holidayweather.com

Study the table above and answer each of the following questions.

- (i) What is the annual temperature range in the Costa del Sol?
- (ii) Calculate the average rainfall for the three months of February, March and April.
- (iii) Explain **two** reasons why June, July and August are attractive months for tourists to visit areas such as the Costa Del Sol.

(10)

Question 5. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH

5A. Examine the **AERIAL PHOTOGRAPH** supplied with this paper.

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

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

- A church
- A car park
- A sports field
- Two connecting streets.

(10)

5B. Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Explain **two** reasons why there is an absence of settlement north of northing 73 and west of easting 08. Use evidence from the map to support each reason.

(8)

5C. Examine the **ORDNANCE SURVEY MAP** supplied with this paper.

Explain **three** reasons why tourists might be attracted to the area shown on the Ordnance Survey map using evidence from the map to support each reason.

(12)

There is no examination material on this page

Junior Certificate 2019 – Higher Level, Section 2

Geography

Friday 7 June

Morning 9:30 – 11:30