

WARNING

You must return this paper with your answer book. Otherwise marks will be lost.

Write your Examination Number here:



Coimisiún na Scrúduithe Stáit State Examinations Commission

JUNIOR CERTIFICATE EXAMINATION, 2019

GEOGRAPHY – ORDINARY LEVEL

SECTION 1 – FOLDER (60 marks)

FRIDAY 7 JUNE – MORNING 9:30 – 11:30

NOTE: SECTION 2 OF THIS PAPER IS SUPPLIED SEPARATELY

SECTION 1 (60 marks)

Answer **ALL** questions.
You have a choice within four questions.
Be sure to return this folder with your answer book.
Otherwise, marks will be lost.

1. UNDERGROUND KARST LANDFORMS

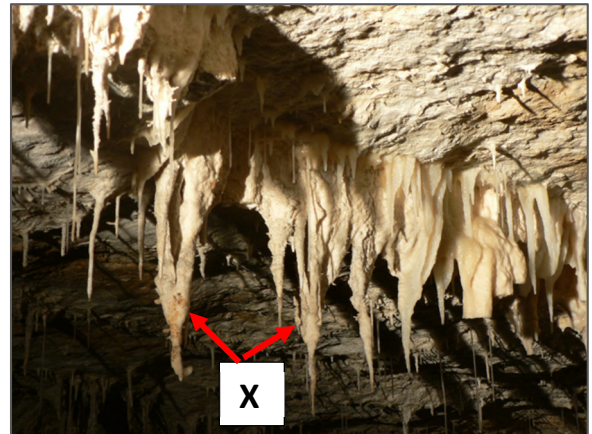
The photograph opposite shows an underground cavern.

The features labelled **X** are called:

Swallow holes ☐

Pillars ☐

Stalactites ☐



Amended from www.wikimedia.org

Tick (✓) the correct box.

2. VOLCANOES

The photograph opposite shows the eruption of the Kilauea Volcano, Hawaii in 2018.

The feature labelled **X** is called a:

Lava flow ☐

Crater ☐

Geyser ☐



Amended from www.usgs.gov

Tick (✓) the correct box.

3. ROCKS



Amended from www.quarriesandbeyond.org and www.photos.hgtv.com

The rock shown in the photograph above is a metamorphic rock.
It is formed when rocks are put under great heat and pressure.

This rock is called:

Basalt ☐

Sandstone ☐

Marble ☐

Tick (✓) the correct box.

4. CLIMATE AND NATURAL VEGETATION

Look at the photograph opposite.

This type of natural vegetation is found in:

Boreal regions ☐

Tundra regions ☐

Hot deserts ☐

Tick (✓) the correct box.



Amended from www.amwua.org

5. THE EARTH'S CRUST

Mountains, like those in the diagram opposite, are formed when plates collide.

This process is called:

Erosion

☐

Folding

☐

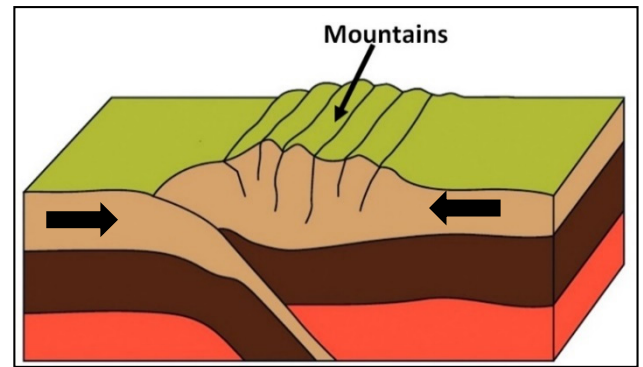
Mass movement

☐

Carbonation

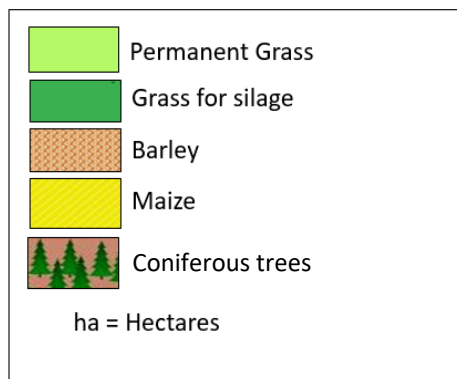
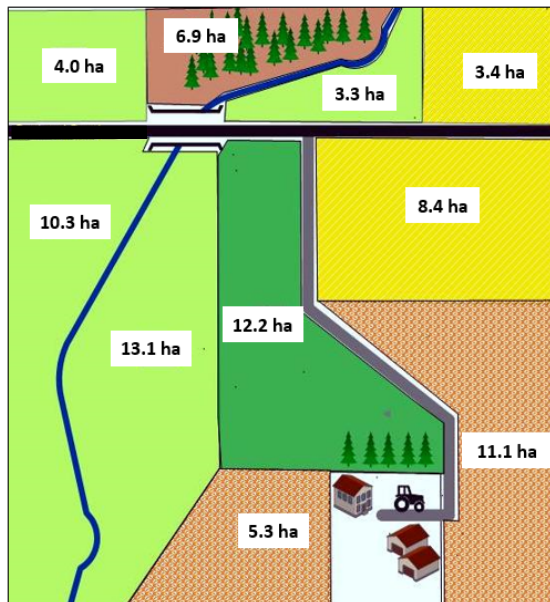
☐

Tick (✓) the correct box.



Amended from www.cpb-ca-c1.wpmucdn.co

6. MIXED FARM



Created using ©ConceptDraw Pro

The map above shows production on a mixed farm in Ireland.

The total amount of land given to **MAIZE** is:

5.0 hectares

☐

8.4 hectares

☐

11.8 hectares

☐

16.4 hectares

☐

Tick (✓) the correct box.

7. RIVERS

The place where a river starts is called the:

- | | |
|------------|--------------------------|
| Oxbow lake | ☐ |
| Source | ☐ |
| Meander | ☐ |
| Basin | ☐ |

Tick (✓) the correct box.

8. ENVIRONMENT

The burning of fossil fuels can add to the build-up of gases in the earth's atmosphere.

These gases are called:

- | | |
|------------------|--------------------------|
| Oxygen | ☐ |
| Greenhouse gases | ☐ |
| Aerosols | ☐ |

Tick (✓) the correct box.

9. SOIL

What is the name of the material found in soil which is formed when leaves, grass, etc. decay?

- | | |
|---------|--------------------------|
| Bedrock | ☐ |
| Horizon | ☐ |
| Humus | ☐ |

Tick (✓) the correct box.

10. ANSWER EITHER 10A OR 10B

10A. COASTS AND HUMANS

Look at the photograph opposite.
The low walls or fences, labelled **X**, that extend out at right angles to the sea to trap sand are called:

Tombolos ☐

Spits ☐

Groynes ☐



Amended from www.stacey.peak-media.co.uk

Tick (✓) the correct box.

OR

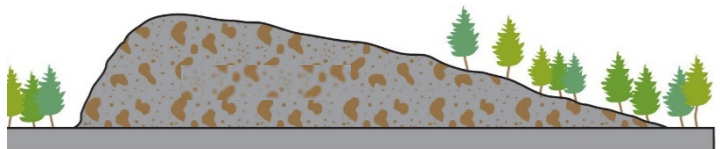
10B. GLACIATION

The feature shown in the diagram opposite is called:

Scree ☐

An esker ☐

A drumlin ☐



Amended from www.openvirtualworlds.org

Tick (✓) the correct box.

11. ANSWER EITHER 11A OR 11B

11A. COMMUNICATION LINKS

If you travelled from Wexford to Ballina, in which direction would you be travelling?

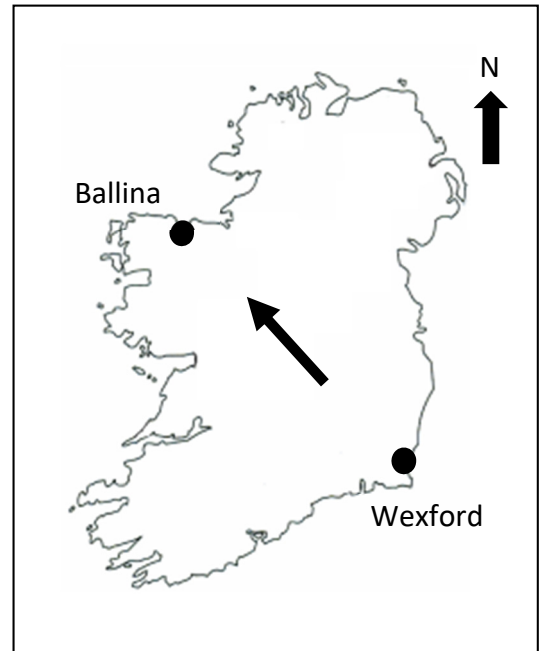
From South-West to North-West ☐

From South-East to North-West ☐

From North-West to South-West ☐

From North-West to South-East ☐

Tick (✓) the correct box.



OR

11B. DISTANCE ON THE ORDNANCE SURVEY MAP

Look at the Ordnance Survey map supplied with this paper.

The distance in kilometres along the **R 501** road from its junction with the **N 62** at **S 106 714** to the cross-roads at **S 067 694** is:

4.3 kilometres ☐

8.6 kilometres ☐

2.7 kilometres ☐

Tick (✓) the correct box.

12. ANSWER EITHER 12A OR 12B

12A. MEASURING WEATHER

The weather instrument shown in the photograph opposite is used to show:

Pressure ☐

Temperature ☐

Wind direction ☐



Amended from www.metoffice.gov.uk

Tick (✓) the correct box.

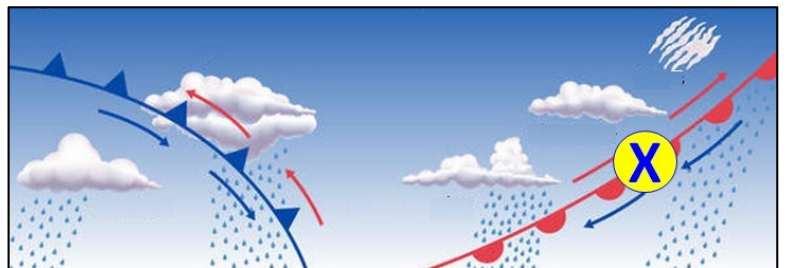
OR

12B. WEATHER

The type of front labelled **X** in the diagram opposite is a:

Warm front ☐

Cold front ☐



Amended from www.metoffice.gov.uk

Tick (✓) the correct box.

13. ANSWER EITHER 13A OR 13B

13A. SETTLEMENT FUNCTIONS

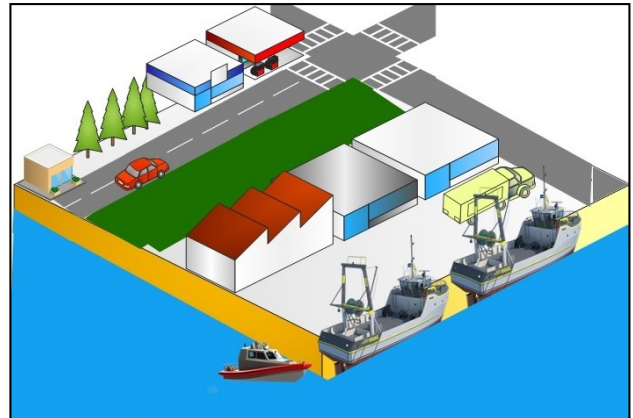
The main function of the settlement shown in this diagram is:

Religious ☐

Residential ☐

as a port ☐

Tick (✓) the correct box.



Created using © ConceptDraw Pro

OR

13B. ECONOMIC INEQUALITY

Which of the following is a Non-Governmental Organisation (NGO)?

United Nations ☐

Concern ☐

European Union ☐

Tick (✓) the correct box.



Amended from www.wikipedia.org

14. WEATHER STATISTICS

Cork Airport: Mean Monthly Temperature and Total Monthly Rainfall January to August, 2018								
Month	Jan	Feb	Mar	Apr	May	June	July	Aug
Mean Temperature (°C)	6.2	4.1	4.4	8.4	11.8	15.8	17.4	15.2
Total Rainfall (mm)	157	49	165	181	83	10	40	53

Amended from www.met.ie

Examine the data above for Cork Airport and answer each of the following questions.

- (i) Which month has the lowest temperature? _____
- (ii) Which month has the highest temperature? _____
- (iii) Which month has the most rainfall? _____

15. AERIAL PHOTOGRAPH

Look at the aerial photograph of Templemore supplied with this paper.

The extract taken from the aerial photograph shown opposite is located in the:

- Left background ☐
- Left foreground ☐
- Right foreground ☐



Tick (✓) the correct box.

16. URBAN STUDIES

The type of housing shown in the photograph opposite is:

Apartment

☐

Semi-detached

☐

Georgian

☐

Amended from www.geograph.ie

Tick (✓) the correct box.

17. ECONOMIC ACTIVITIES



Amended from www.agriland.ie, www.sem-construction.com & www.hitachicm.eu

Farmers, miners and quarry workers are all examples of people who work in:

Secondary economic activities

☐

Tertiary economic activities

☐

Primary economic activities

☐

Tick (✓) the correct box.

18. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

The historical feature at **S 087 697** is a:

Burial ground ☐

Moated site ☐

Barrow ☐

Castle ☐

Tick (✓) the correct box.

19. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

The grid reference for the townland of Coolgort is:

S 15 75 ☐

S 04 69 ☐

S 07 70 ☐

S 10 73 ☐

Tick (✓) the correct box.

20. POPULATION DENSITY

Circle the correct answer in the statement below.

Kolkata (Calcutta), Hong Kong and Sao Paulo are examples of places with **very high / very low** population density.