

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, 2013

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

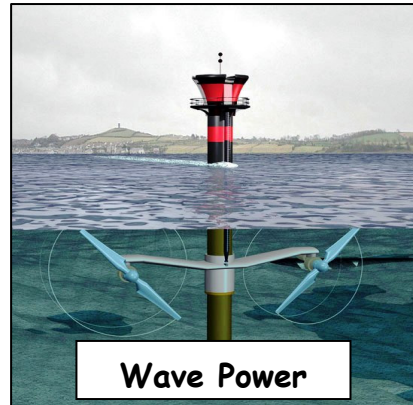
SECTION 1 (60 marks)

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. RESOURCES



Offshore Wind Farms



Wave Power

www.oceanpowermagazine.net

Offshore wind farms and wave power are examples of:

Non-renewable energy

Fossil fuels

Renewable energy

Tick (✓) the correct box.

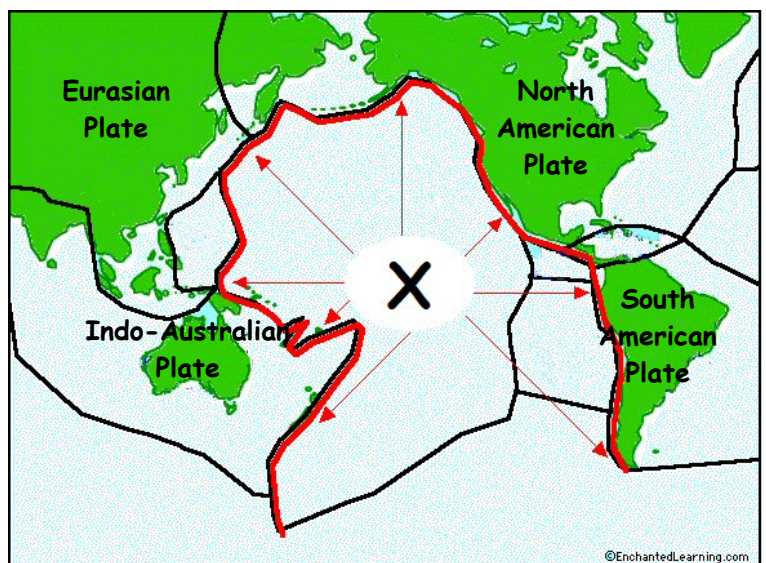
2. THE EARTH'S CRUST

The area indicated by the red line, labelled X on this map is called:

The Mid-Atlantic Ridge

The Pacific Ring of Fire

A Warm current



Tick (✓) the correct box.

3. VOLCANOES

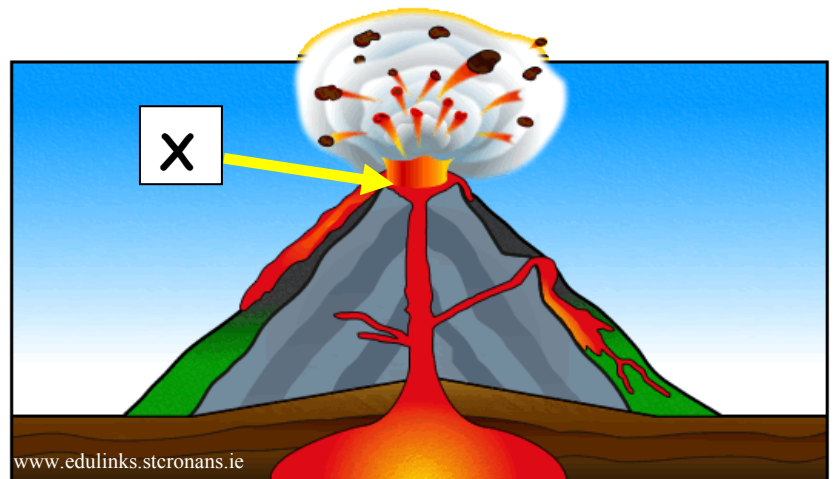
This diagram shows a volcanic mountain.

The feature labelled X is called:

The Mantle

The Crater

A Magma chamber



Tick (✓) the correct box.

4. RIVERS

This photograph shows a satellite image of the River Nile as it flows into the sea.

The feature labelled X is a feature of river deposition and is called a:

Delta

Meander

Levée



Tick (✓) the correct box.

5. SOILS

Micro-organisms such as bacteria and fungus in the soil are important because they:

Provide oxygen for plants

Cause leaching of minerals

Break down dead plants to form humus

Tick (✓) the correct box.

6. EARTHQUAKES

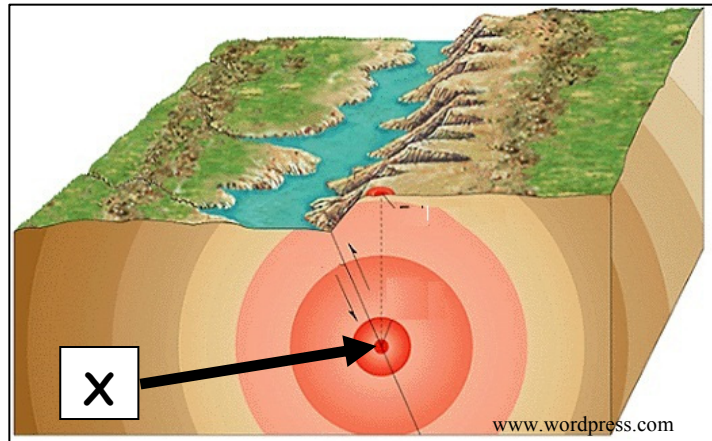
The point labelled **X** at which an earthquake begins, deep below the earth's surface is called the:

Focus

Seismograph

Shock wave

Tick (✓) the correct box.



7. LIMESTONE FEATURES

The feature labelled **X** in this diagram is like features found in the Burren in County Clare.

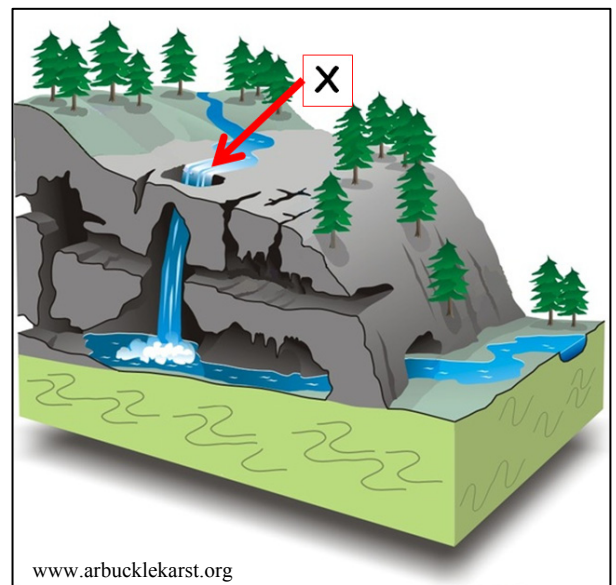
It is called a:

Stalactite

Swallow hole

Cave

Tick (✓) the correct box.



8. ANSWER EITHER 8A OR 8B

8A. COASTAL LANDFORMS

The coastal landform shown at **X** in this photograph is called a:

Stack

Cave

Headland

Tick (✓) the correct box.



OR

8B. GLACIAL LANDFORMS

The glacial landform shown in this photograph is called a:

V-Shaped valley

Corrie

U-Shaped valley

Tick (✓) the correct box.



9. ANSWER EITHER 9A OR 9B

9A. THE RESTLESS ATMOSPHERE

The pressure at the centre of the depression approaching the west coast of Ireland in hectopascals / millibars is:

1021

996

1020



Tick (✓) the correct box.

OR

9B. THE WEATHER STATION

The weather instrument shown in this photograph measures atmospheric pressure.

It is called:

An Anemometer

A Campbell-Stokes recorder

An Aneroid barometer



Tick (✓) the correct box.

10. ANSWER EITHER 10A OR 10B

10A. COMMUNICATION LINKS

A rescue helicopter flies from Waterford airport to Sligo airport.

In which **direction** does it travel?

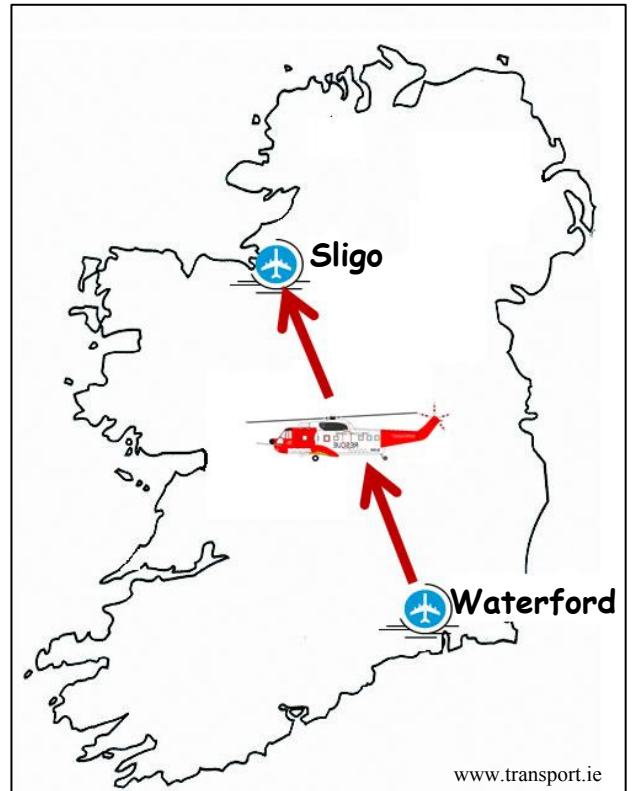
From North-East to South-West

From South-West to North-East

From North-West to South-East

From South-East to North-West

Tick (✓) the correct box.



OR

10B. URBAN LAND-USE AND FUNCTIONS

The type of land-use and function shown in the photograph is:

Industrial

Residential

Retail

Business



Tick (✓) the correct box.

11. ANSWER EITHER 11A OR 11B

11A. MIGRATION



Look at the pictures shown above.

People migrate between regions for a variety of reasons, including both Pull Factors and Push Factors.

Which of the following is a Pull Factor?

- Unemployment
- War
- Job opportunities

Tick (✓) the correct box.

OR

11B. DISTANCE ON A MAP

Look at the Ordnance Survey map supplied with this paper.

The distance in a straight line ('as the crow flies') from the Parking at **S 964 367** to the Parking at **S 984 401** is:

- 4 kilometres
- 8 kilometres
- 16 kilometres

Tick (✓) the correct box.

12. ECONOMIC ACTIVITIES



www.ambulance-photos.com



www.textually.org



www.finning.co.uk

Which of the photographs above shows an example of a **secondary** economic activity?

Ambulance service

Factory

Quarry

Tick (✓) the correct box.

13. POPULATION DENSITY

Circle the correct answer in **each** of the statements below.

- Overcrowding, shortage of clean water and pollution are common in areas of **very high** / **very low** population density.
- Calcutta and Hong Kong are examples of places with **very high** / **very low** population density.
- In Ireland an area with very low population density is the **Dublin region** / **West of Ireland**.

14. AID

Aid given by the government of one country to the government of another country is called:

Emergency Aid

Tied Aid

Bilateral Aid

Tick (✓) the correct box.

15. AERIAL PHOTOGRAPH

Study the aerial photograph of Enniscorthy supplied with this paper.

What is the main land-use in the Right Background?

- Central Business District
- Industry
- Agriculture

Tick (✓) the correct box.

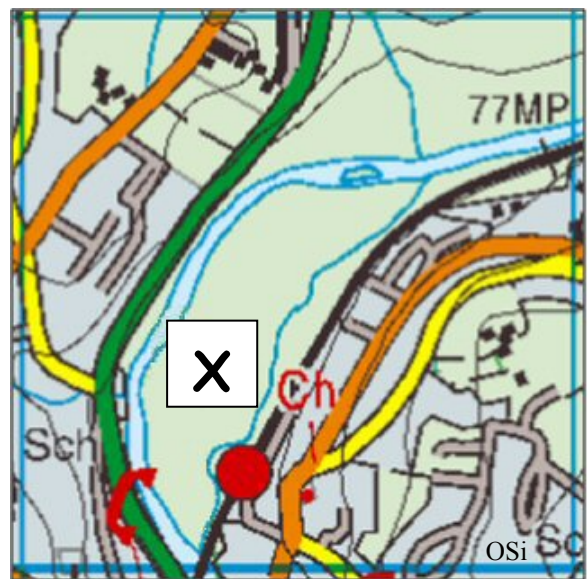
16. SETTLEMENT

Look carefully at this map extract.

There are no buildings in the area around X because:

- It is too high (altitude)
- There is danger of flooding
- It is too steep (gradient)

Tick (✓) the correct box.



17. GRID REFERENCES

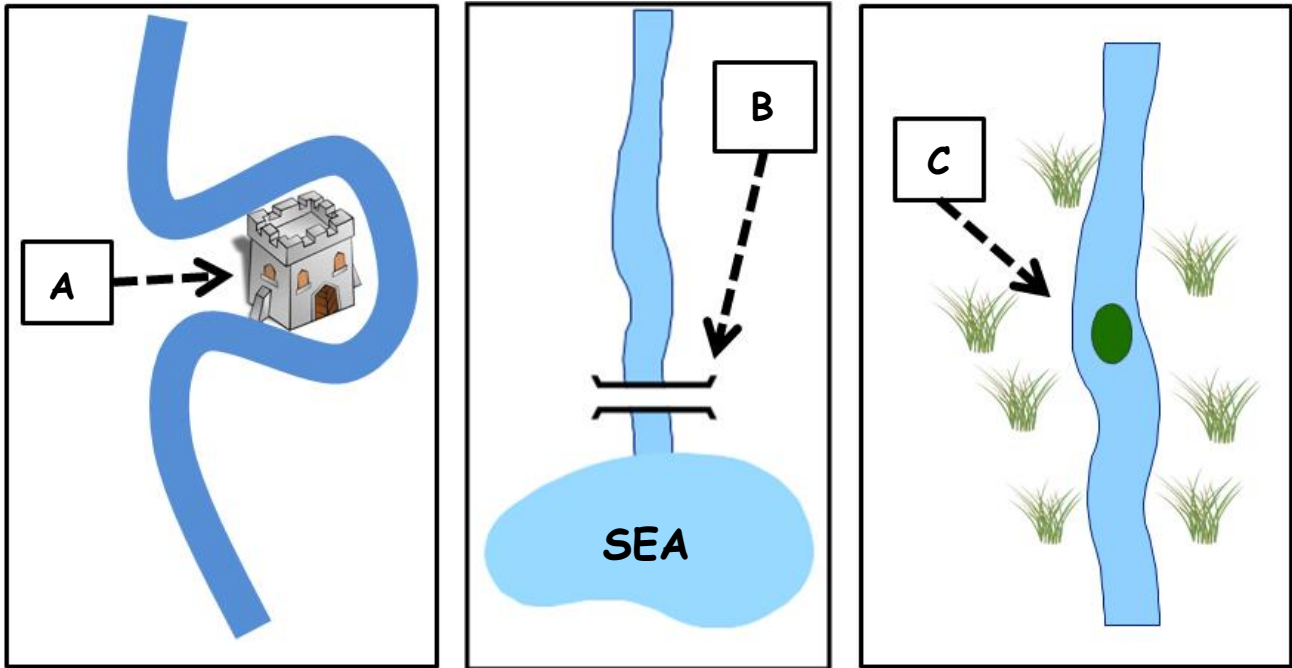
Look at the Ordnance Survey map supplied with this paper.

The feature shown at grid reference S 974 402 is:

- A Garda station
- A Railway station
- Parking
- A Viewpoint

Tick (✓) the correct box.

18. SETTLEMENT



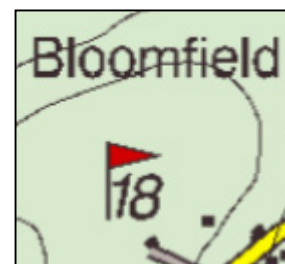
Match each of the descriptions of sites in the table below with the correct sketch map by writing the correct letter in the space provided.

DESCRIPTION OF SITE	LETTER
A bridge was built at a site where ships could unload.	
An island provided a dry site among the marshes.	
The river formed a natural defence on three sides of the site.	

19. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

What is the grid reference for the Golf Course at Bloomfield to the South-West of Enniscorthy?



S 39 96

S 95 38

S 38 95

Tick (✓) the correct box.

20. STATISTICS IN GEOGRAPHY

This pie chart shows the percentage (%) of natural gas used by different sectors in the United States of America.

The percentage (%) of natural gas (X) used by Residential is:

20%

31%

27%

Tick (✓) the correct box.

