

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, 2017

GEOGRAPHY – ORDINARY LEVEL

SECTION 1 – FOLDER (60 marks)

FRIDAY 9 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.
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1. ROCKS

When shale is put under pressure,
it changes into slate.

Slate is:

- An igneous rock
- A sedimentary rock
- A metamorphic rock

Slate



Amended from www.sandatlas.org

Tick (✓) the correct box.

2. EARTHQUAKES

A large ocean wave caused by an earthquake on the ocean floor is called a:

- Seismic wave
- Tsunami wave
- Shock wave

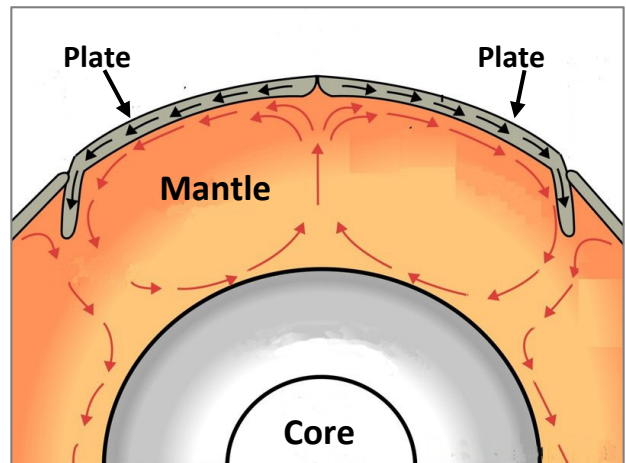
Tick (✓) the correct box.

3. SHAPING THE EARTH'S CRUST

Examine the diagram opposite.

Which of the following causes plates to move apart?

- Convection currents
- Pangaea
- Lava
- Plate boundaries



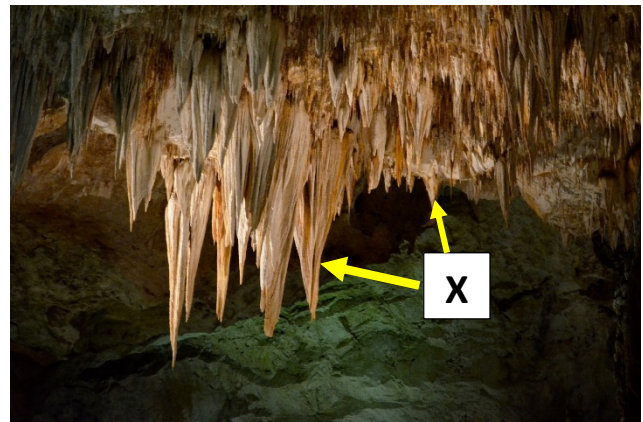
Amended from www.wikimedia.org

Tick (✓) the correct box.

4. KARST FEATURES

The underground features marked **X** in the photograph opposite are called:

- Clints
- Stalactites
- Stalagmites
- Grikes



Amended from www.adventuresinwonderland-wordpress.com

Tick (✓) the correct box.

5. WEATHER DATA

Mean Temperature (°C) for Belmullet, Co Mayo 2015

Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Temp °C	6.2	6.1	7.0	8.7	9.8	12.1	13.8	13.7	12.9	11.3	9.7	8.4

Amended from www.met.ie

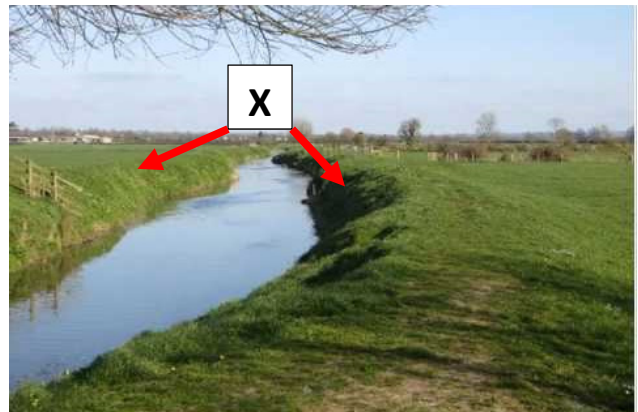
Examine the weather data in the table above and circle the correct answer in each of the statements below.

- (i) The lowest mean temperature was **7.0 °C / 6.1 °C**.
- (ii) The highest mean temperature of 13.8 °C was in **July / August**.
- (iii) The temperature range for the weather data for the year was **9.5 °C / 7.7 °C**.

6. RIVERS

The ridges along the river banks, marked **X** in the photograph opposite, are called:

- Deltas
- Eskers
- Levees



Amended from [www. Screencast-o-matic.com](http://www.Screencast-o-matic.com)

Tick (✓) the correct box.

7. STATISTICS IN GEOGRAPHY

The pie chart opposite shows the percentage value of livestock produced in Ireland in 2015.

The percentage value (**X**), of pigs produced was:

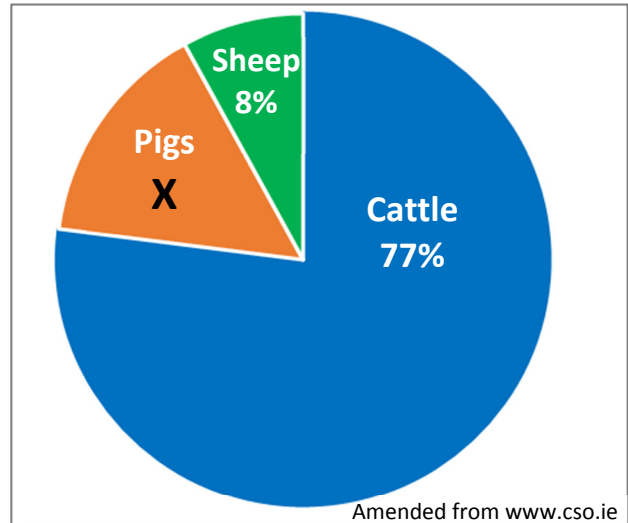
20%

7%

15%

Tick (✓) the correct box.

Percentage Value of Livestock Produced in Ireland in 2015



8. ENVIRONMENT

Acid rain is mainly caused by:

The removal of tropical forests.

The production of nuclear energy.

The burning of fossil fuels.

Hydro-electric power.

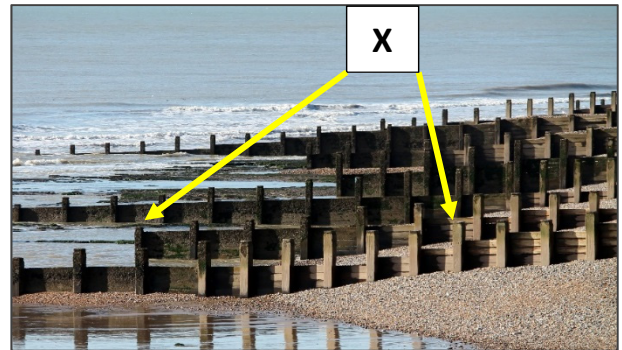
Tick (✓) the correct box.

9. ANSWER EITHER 9A OR 9B

9A. COASTS

Low walls built on a beach to slow down longshore drift, like those labelled X in the photograph opposite, are called:

- Tombolos
- Groynes
- Sand spits



Amended from www.geograph.org.uk

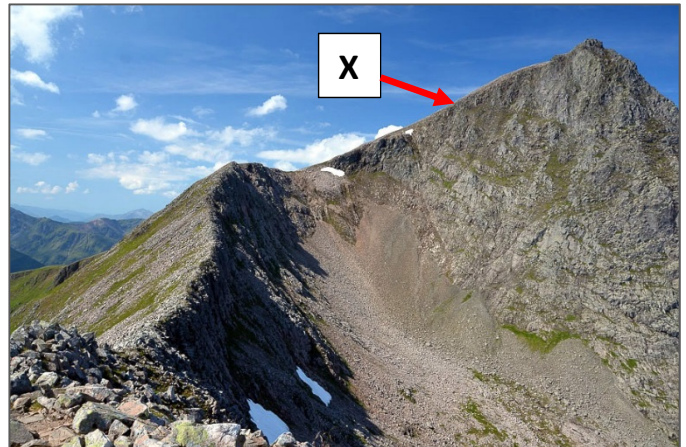
Tick (✓) the correct box.

OR

9B. GLACIATION

The glacial landform labelled X in the photograph opposite is called:

- A hanging valley
- A moraine
- An arête



Amended from www.walkhighlands.co.uk

Tick (✓) the correct box.

10. ANSWER EITHER 10A OR 10B

10A. OCEAN CURRENTS

The ocean current labelled X on the map opposite has an effect on Ireland's weather.

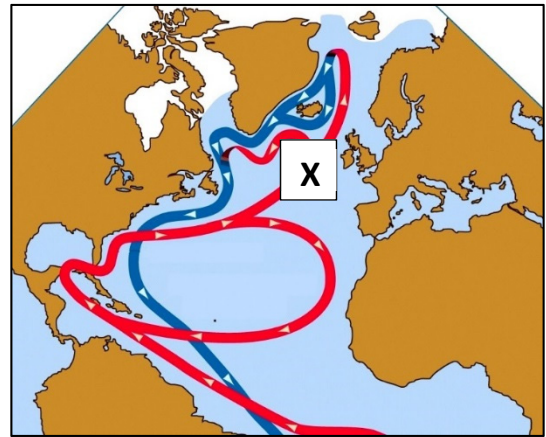
This ocean current is called the:

Labrador Current

Canaries Current

North Atlantic Drift

Greenland Current

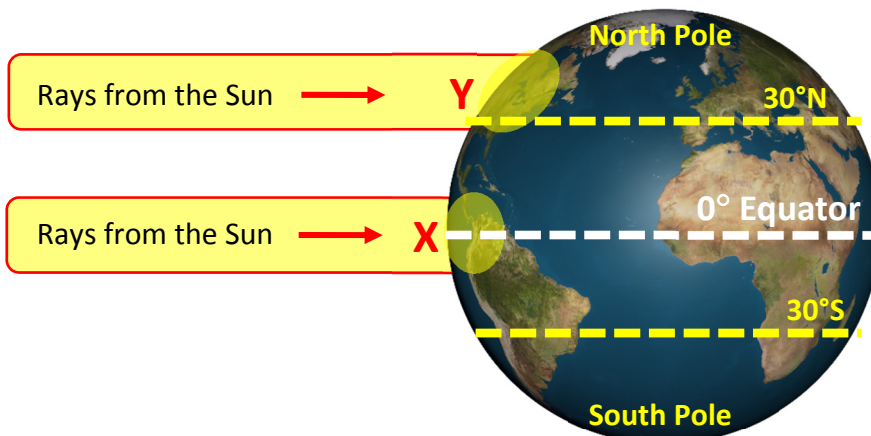


Amended from www.sonoma.edu

Tick (✓) the correct box.

OR

10B. RESTLESS ATMOSPHERE



Amended from www.earthspace solutions.files.wordpress.com

Study the diagram above showing unequal heating of the earth's surface by the sun.

The heat from the sun is greater:

At the equator at X

In the northern hemisphere at Y

Tick (✓) the correct box.

11. ANSWER EITHER 11A OR 11B

11A. THE WEATHER STATION

The box shown in the photograph opposite, for holding weather instruments is called:

A Campbell-Stokes recorder

A Stevenson Screen

An anemometer

A barometer

Tick (✓) the correct box.



OR

11B. DISTANCE ON A MAP

Look at the Ordnance Survey map supplied with this paper.

The distance in kilometres along the **R 584** road from Toon Bridge at **W 296 705** to the T-junction at Hartnett's Cross at **W 354 719** is:

6.2 kilometres

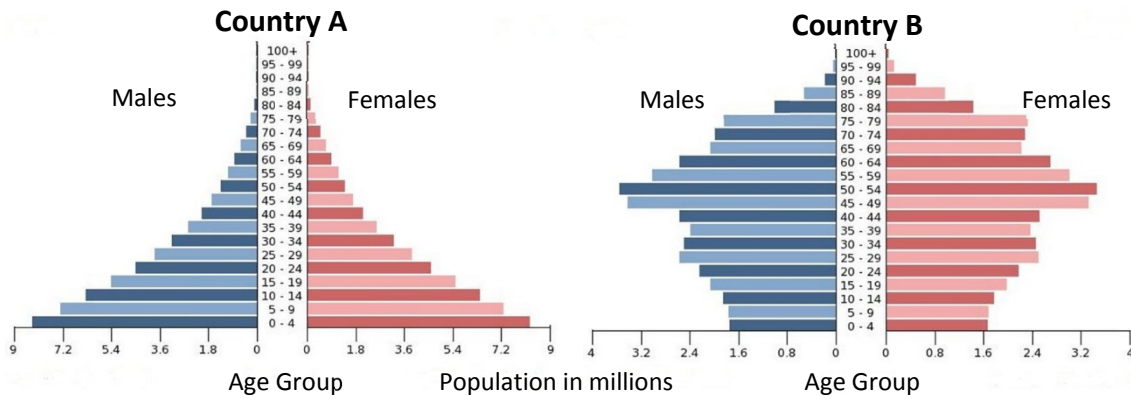
11.8 kilometres

3.9 kilometres

Tick (✓) the correct box.

12. ANSWER EITHER 12A OR 12B

12A. POPULATION STUDIES



Amended from www.cia.gov

Examine the population pyramids above.

Which country is a Developing country?

Country A

Country B

Tick (✓) the correct box.

OR

12B. COMMUNICATION LINKS

If you travelled the M7 road from Limerick to Dublin, in what direction would you have travelled?

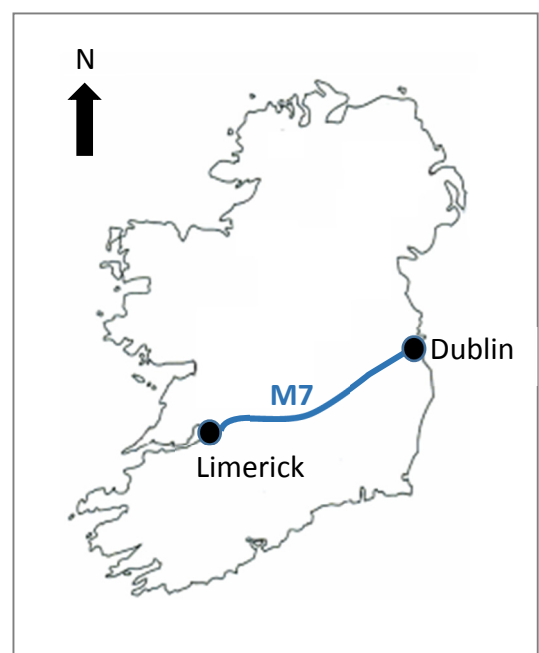
From South-East to North-West

From North-West to South-West

From North-West to South-East

From South-West to North-East

Tick (✓) the correct box.



13. LAND VALUES IN CITIES

Which **one** of the following statements about land values in cities is **TRUE**?

Land values increase towards the city centre.

Land values decrease towards the city centre.

There is no change in land values towards the city centre.

Tick (✓) the correct box.

14. URBAN PLANNING



The photographs above show examples of where old houses have been replaced and efforts have been made to improve communities.

This is called:

Urban sprawl

Urban decline

Urban redevelopment and renewal

Tick (✓) the correct box.

15. ECONOMIC ACTIVITIES

Computer Factory



Cement Factory



Shipbuilding



Look at the photographs above.

Which of the following is an example of a **footloose industry**?

Computer factory

Cement factory

Shipbuilding

Tick (✓) the correct box.

16. AERIAL PHOTOGRAPH

Look at the aerial photograph supplied with this paper.

A land-use in the right background of the aerial photograph is:

Car Parking

Residential

Deciduous Woodland

Retail / Shopping

Tick (✓) the correct box.

17. SOURCES OF ENERGY

Which of the following are **all** examples of **non-renewable** energy sources?

Natural gas, water, wind

Coal, wind, solar power

Coal, natural gas, oil

Tick (✓) the correct box.

18. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

In which of the following grid squares is there a **National Primary Road**?

W 28 69

W 27 66

W 36 69

W 29 66

Tick (✓) the correct box.

19. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

The feature at **W 321 654** is a:

Post Office

Castle

Golf Course

Standing Stone

Tick (✓) the correct box.

20. STATISTICS AND AID

In the 2015 earthquake in Nepal nearly 8 million people were affected. About 9,000 people were killed and over 600,000 houses were destroyed.

The response from the European Union took a number of forms and was worth over €130 million. Examples included search and rescue teams, medical supplies and water purifying systems.



Read the information above.

Indicate whether each of the following statements is **TRUE** or **FALSE** by ticking (✓) the correct box in each case.

STATEMENT	TRUE	FALSE
Over 600,000 houses were destroyed.	<input type="checkbox"/>	<input type="checkbox"/>
The European Union gave only €8 million in aid.	<input type="checkbox"/>	<input type="checkbox"/>
Search and rescue teams are an example of emergency aid.	<input type="checkbox"/>	<input type="checkbox"/>

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