

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, 2012

GEOGRAPHY – ORDINARY LEVEL

SECTION 1 – FOLDER (60 marks)

FRIDAY, 8 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. SHAPING THE EARTH

The feature shown at **X** in this diagram is called the:

Mantle

☐

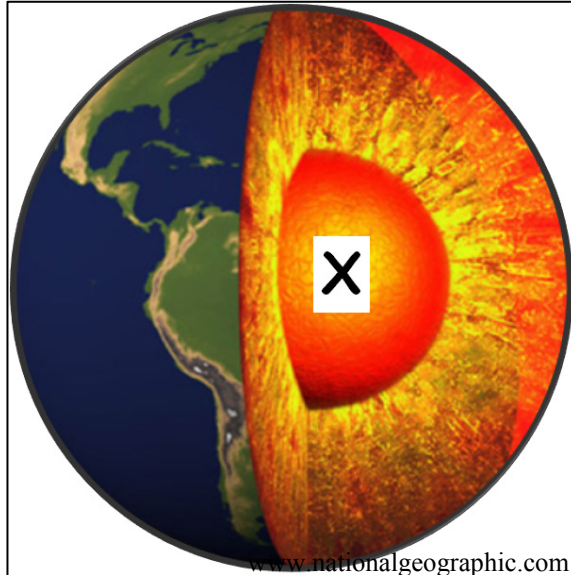
Core

☐

Crust

☐

[tick ✓ the correct box]



2. SOILS

This diagram shows a typical soil profile.

The feature shown at **X** is:

Bedrock

☐

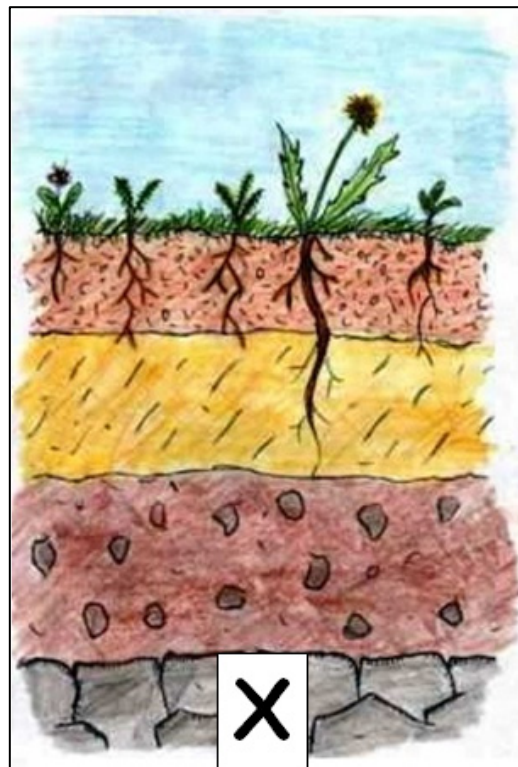
Humus

☐

Hard pan

☐

[tick ✓ the correct box]



3. ROCKS

This photograph shows the Giant's Causeway in County Antrim. It formed when lava cooled quickly.

This rock is called:

Granite ☐

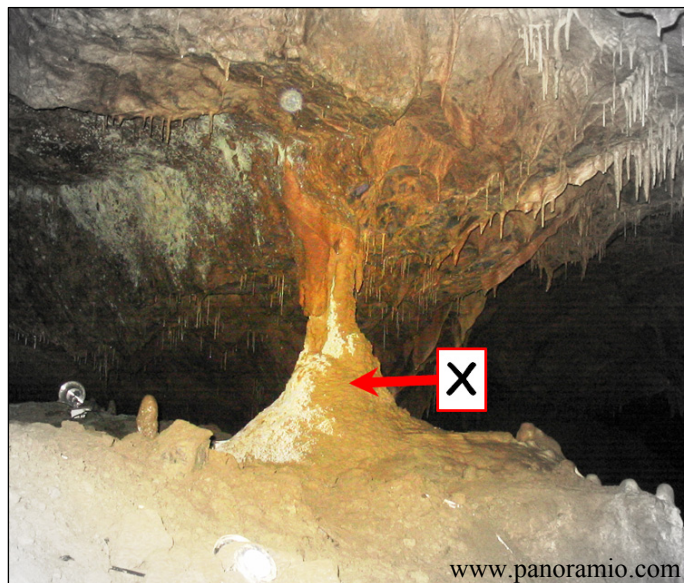
Limestone ☐

Basalt ☐

[tick ✓ the correct box]



4. UNDERGROUND FEATURES



This photograph shows an underground feature at Crag Cave in County Kerry.

The feature labelled X is called a:

Stalactite ☐

Grike ☐

Pillar ☐

[tick ✓ the correct box]

5. MASS MOVEMENT

The type of mass movement which caused the fence shown in this photograph to bend is:

A Landslide ☐

An Avalanche ☐

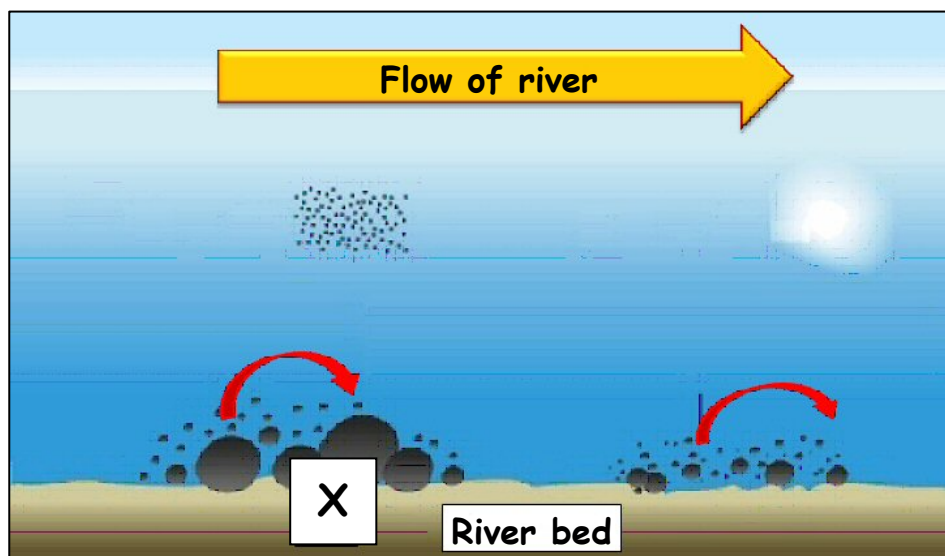
A Bog burst ☐

Soil creep ☐



[tick ✓ the correct box]

6. RIVERS



At X in the diagram above, the river is rolling and dragging stones along the river bed (traction).

This is an example of:

River erosion ☐

River transport ☐

River deposition ☐

[tick ✓ the correct box]

7. ANSWER EITHER 7A OR 7B

7A. COASTAL PROCESSES



The coastal landform marked X in the photograph shown above is called a:

Stack ☐

Sand spit ☐

Notch ☐

[tick ✓ the correct box]

OR

7B. GLACIATION

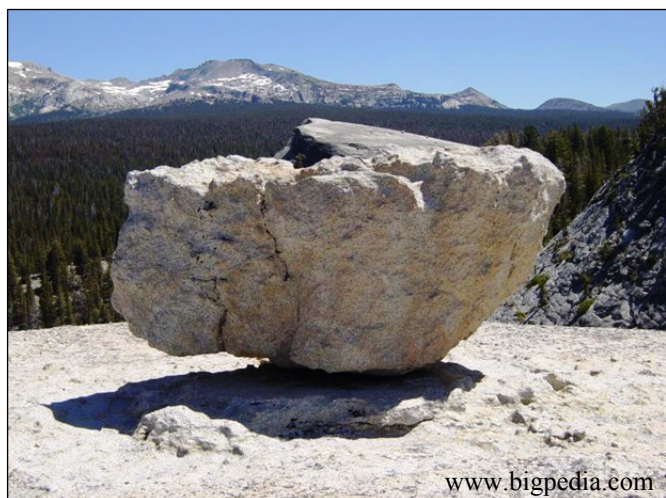
Ice sheets sometimes carried large rocks, like the one shown in this photograph, and deposited them in places where the rock type was different.

These rocks are called:

Moraines ☐

Erratics ☐

Boulder clay ☐



[tick ✓ the correct box]

8. ANSWER EITHER 8A OR 8B

8A. OCEAN CURRENTS

The Ocean Current marked **X** has an effect on Ireland's weather.

It is called the:

Canaries Current

☐

Labrador Current

☐

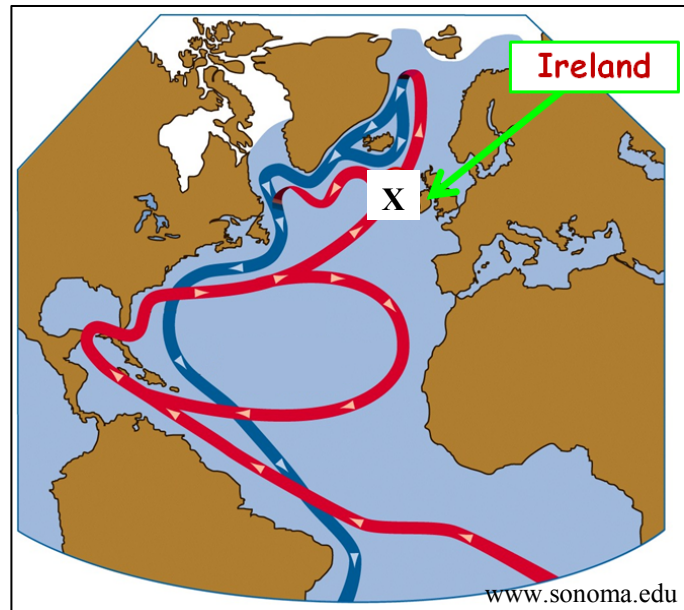
North Atlantic Drift

☐

Greenland Current

☐

[tick ✓ the correct box]



OR

8B. CLIMATE TYPES

Look carefully at the climate map of Africa. The climate type at **X** (shaded red) is:

Cool Temperate Oceanic

☐

Hot Desert

☐

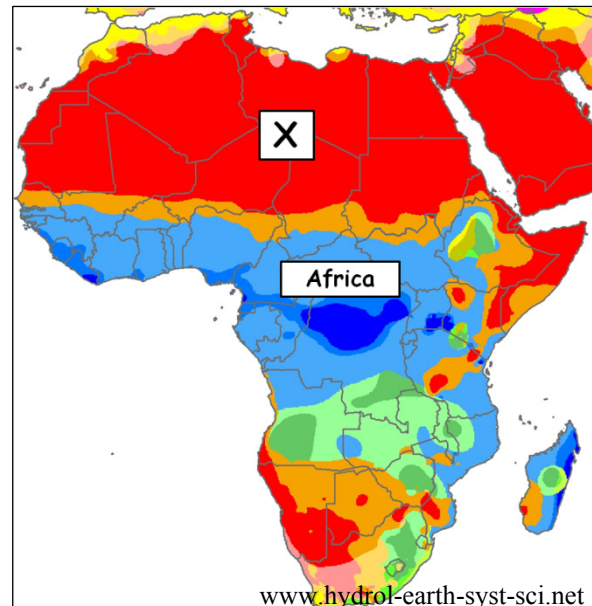
Tundra

☐

Boreal

☐

[tick ✓ the correct box]



9. ANSWER EITHER 9A OR 9B

9A. COMMUNICATION LINKS

If you travelled by train from Sligo to Dublin, in which **direction** would you be travelling?

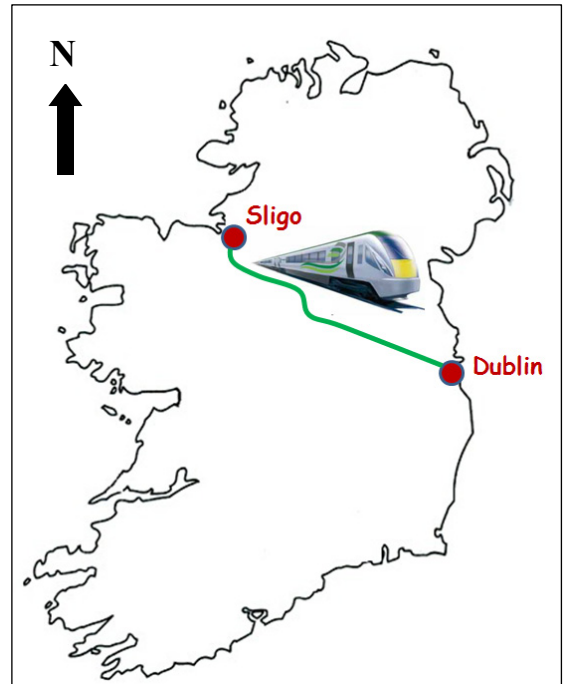
From South-East to North-West ☐

From North-West to South-East ☐

From East to West ☐

From South-West to North-East ☐

[tick ✓ the correct box]



OR

9B. CITY HOUSING

Semi-detached houses like those shown in the photograph are usually located in:

The CBD ☐

Suburbs ☐

Industrial estates ☐

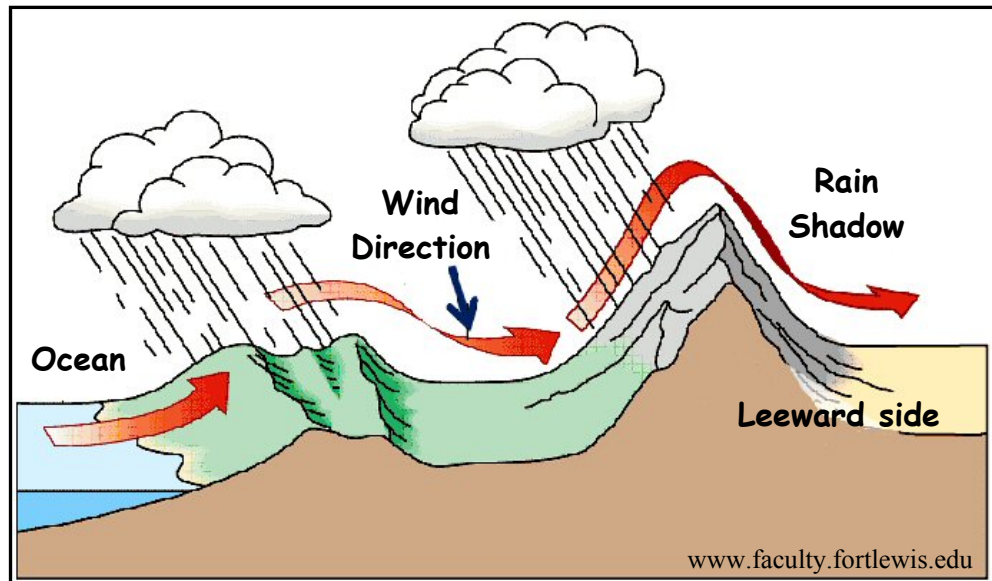
Retail parks ☐

[tick ✓ the correct box]



10. ANSWER EITHER 10A OR 10B

10A. RAINFALL



The diagram above shows rainfall that is affected by mountains.

This type of rainfall is called:

Cyclonic or Frontal rainfall

☐

Convectional rainfall

☐

Relief rainfall

☐

[tick ✓ the correct box]

OR

10B. THE ENVIRONMENT

Look carefully at this diagram.
Gases in the atmosphere trap some of the heat from the sun.

This process is called:

Greenhouse effect

☐

Ozone

☐

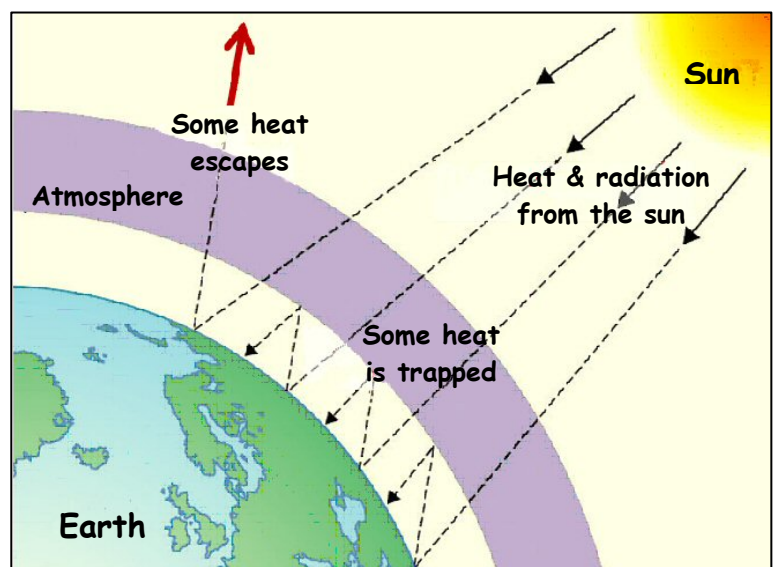
Acid rain

☐

Desertification

☐

[tick ✓ the correct box]



11. ECONOMIC ACTIVITIES



Harvesting Peat



Irish Defence Forces



Fishing

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

Harvesting peat

☐

Irish Defence Forces

☐

Fishing

☐

[tick ✓ the correct box]

12. DISTANCE ON A MAP

Look at the Ordnance Survey map supplied with this paper.

The distance in kilometres, in a straight line ('as the crow flies') from the Parking at **G 893 033** to the Parking at **M 940 994** is:

4.8 kilometres

☐

6.1 kilometres

☐

12.2 kilometres

☐

[tick ✓ the correct box]

13. STATISTICS IN GEOGRAPHY

Employment in Irish Industry

2006	2007	2008	2009	2010
294,000	299,000	287,000	258,000	240,000

Amended from www.cso.ie

This table shows the change in employment in Irish industry.

Employment in industry between 2007 and 2010 fell by:

59,000 ☐

69,000 ☐

53,000 ☐

[tick ✓ the correct box]

14. AERIAL PHOTOGRAPH

Study the aerial photograph of Carrick-on-Shannon provided.

There is a large car park located in the:

Right foreground ☐

Left background ☐

Centre foreground ☐

[tick ✓ the correct box]

15. SETTLEMENT PATTERNS

Look carefully at this extract taken from an Ordnance Survey map.

The type of settlement pattern shown inside the red box is:

Linear ☐

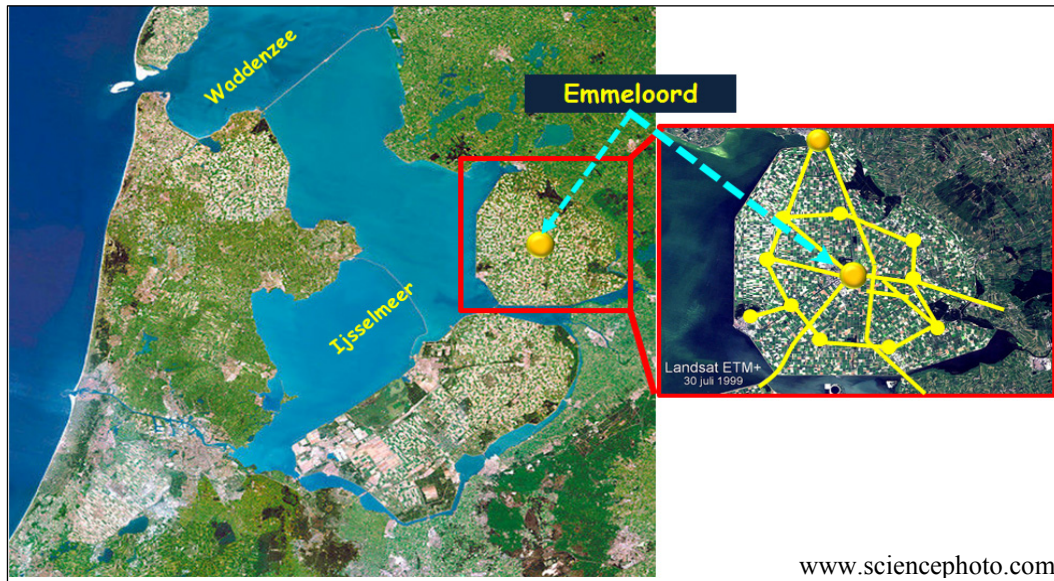
Scattered ☐

Nucleated ☐

[tick ✓ the correct box]



16. SETTLEMENT IN THE NETHERLANDS



The satellite images above show planned settlement in The Netherlands.

This planned settlement is built on land reclaimed from the sea known as:

- Peatlands ☐
- Polders ☐
- An Oasis ☐

[tick ✓ the correct box]

17. GRID REFERENCES

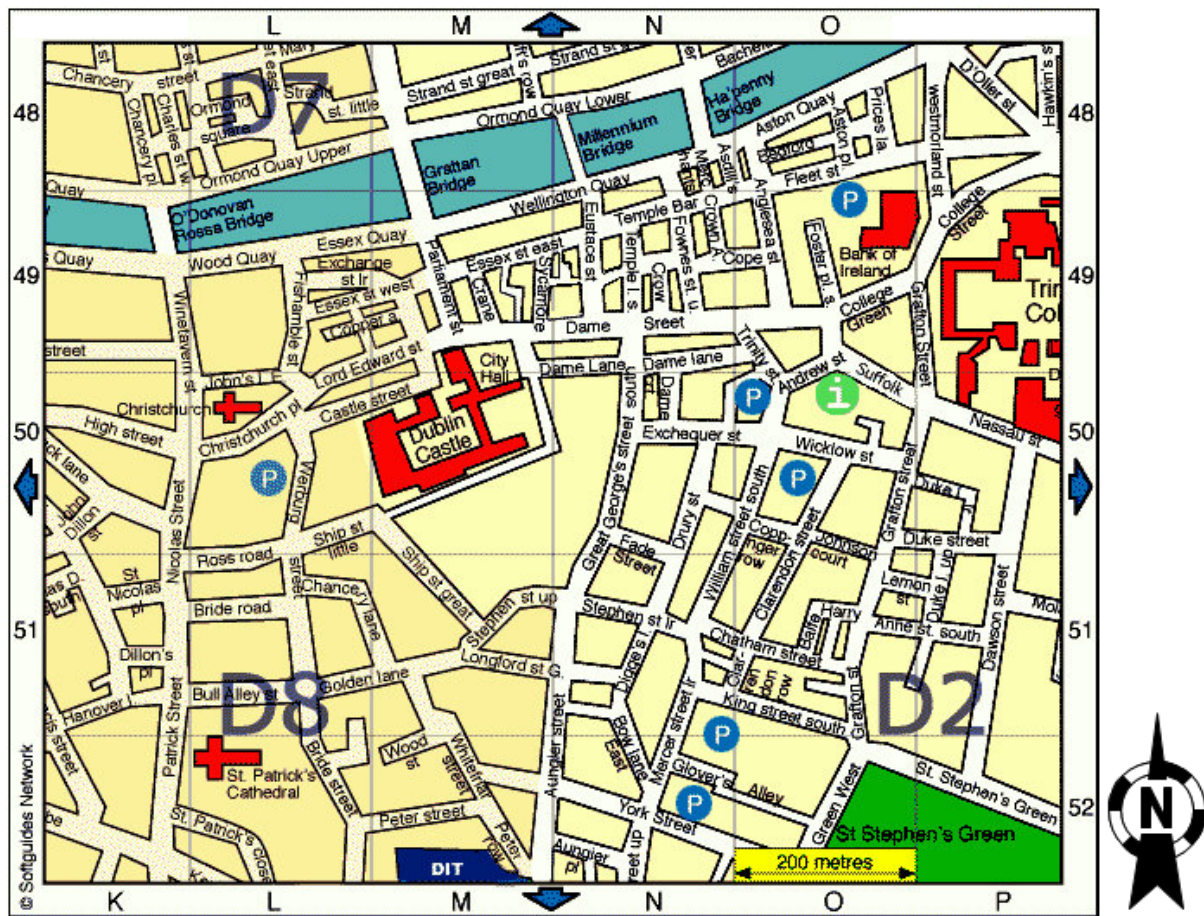
Look at the Ordnance Survey map supplied with this paper.

The river feature shown at grid reference **M 99 98** is:

- An Oxbow lake ☐
- A Meander ☐
- A Waterfall ☐
- A Leveé ☐

[tick ✓ the correct box]

18. STREET MAP LOCATIONS



Look at the street map of Dublin city centre above and circle the correct answer in **each** of the statements below.

- In the south-east of the map, **College Green / St Stephen's Green** is an example of an open space for recreation.
- St Patrick's Cathedral is in the **south-east / south-west** of the map.
- The river is in the north of the map. If you walked across Millennium Bridge from Ormond Quay Lower, you would reach **Essex Quay / Wellington Quay**.

19. GRID REFERENCES

Look at the Ordnance Survey map supplied with this paper.

What is the grid reference for the Railway Station at the south-west of Carrick-on-Shannon?

M 93 98 ☐

M 92 98 ☐

M 94 95 ☐

M 93 97 ☐

[tick ✓ the correct box]

20. ECONOMIC INEQUALITY IN IRELAND

‘There is a general view that differences exist between the Dublin region and the Border, Midlands and Western region (marked X on the map).’

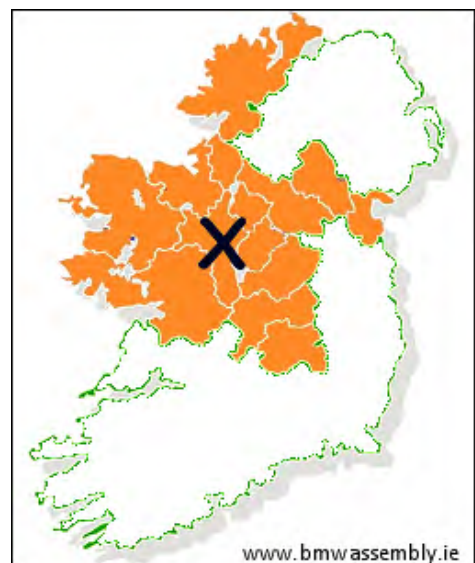
In the shaded region marked X on this map it is more likely that:

a higher percentage of people work in secondary and tertiary activities. ☐

land is less fertile for farming. ☐

average incomes are higher. ☐

[tick ✓ the correct box]



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