

SECTION 1 (60 marks)

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

1. THE EARTH'S CRUST



Examine the map above and circle the correct option in each of the following statements.

- (i) The area indicated by the red line on the map is called the Mid-Atlantic Ridge. *True / False*
- (ii) This area has many volcanoes. *True / False*
- (iii) Crustal plates collide in this area. *True / False*

2. EARTHQUAKES

Complete each of the following sentences.

- (i) The point on the earth's surface directly above the focus of an earthquake is called the _____.
- (ii) The magnitude of an earthquake is recorded on the _____ Scale.
- (iii) A large wave that results from an earthquake under water in the ocean is known as a _____.

3. MASS MOVEMENT



A series of small ridges that accumulate as a result of soil creep are known as:

- | | |
|-------------|--------------------------|
| Alluvium | <input type="checkbox"/> |
| Horizons | <input type="checkbox"/> |
| Mudflows | <input type="checkbox"/> |
| Terracettes | <input type="checkbox"/> |

Tick (✓) the correct box.

4. ASCENDING AND DESCENDING AIR

Indicate which **three** statements below are correct by ticking (✓) the correct box.

1. Cold air at the North Pole creates high pressure.
2. An anticyclone is associated with cool wet weather.
3. Climate is the average condition of the atmosphere over a short period of time.
4. Areas of low pressure near the equator are known as the doldrums.
5. Depressions often develop over the North Atlantic.

1, 2, 3 ☐

2, 3, 4 ☐

1, 4, 5 ☐

2, 4, 5 ☐

5. OCEAN CURRENTS

Circle the correct answer in each of the following statements.

- (i) The North Atlantic Drift helps to *increase* / *decrease* temperatures in Ireland in winter.
- (ii) *The Labrador Current* / *Gulf Stream* results in cold weather in winter in Eastern Canada.
- (iii) The Canary Current is a *warm* / *cold* current that flows towards the equator.

6. RIVERS

In the boxes provided, match each of the letters in **Column X** with the number of its pair in **Column Y**. One match has been completed for you.

Column X		Column Y		X	Y
A	Attrition	1	The force of moving water.	A	
B	Abrasion	2	Chemicals in water breaking down some rocks.	B	
C	Hydraulic Action	3	The river's load hitting against the bed and banks of the river.	C	1
D	Solution	4	Stones hitting off each other while being carried by the river.	D	

7. DENUDATION



Circle the correct answer in each of the following statements.

- (i) The broken down rock found in the upland area shown in the photograph is known as *alluvium* / *scree*.
- (ii) This broken down rock has resulted from *chemical* / *mechanical* weathering.
- (iii) This broken down rock moves down the mountain due to *gravity* / *erosion*.

ANSWER EITHER 8A OR 8B

8A. SOILS

Complete each of the sentences by using the correct terms from the list below.

Brown earths	Hard pan	Micro organisms
Humus	Podzols	B Horizon

- (i) _____ are Ireland's most common soil.
- (ii) _____ are soils that are found in the upland areas of Ireland.
- (iii) Decayed plant litter is known as _____.

OR

8B. RIVERS



Circle the correct answer in each of the statements below.

- (i) The river feature shown in the photograph above is a *delta / V-shaped valley*.
- (ii) This feature is found in the *upper / lower* course of a river.
- (iii) It was formed by the process of river *erosion / deposition*.

ANSWER EITHER 9A OR 9B

9A. URBAN GEOGRAPHY

The main function of a dormitory town is:

Recreational

☐

Residential

☐

Industrial

☐

Defence

☐

Tick (✓) the correct box.

OR

9B. CLIMATE



www.depositphotos.com

This cartoon illustrates the effect of:

Acid rain

☐

Plate tectonics

☐

Weathering

☐

Global warming

☐

Tick (✓) the correct box.

ANSWER EITHER 10A OR 10B

10A. RENEWABLE ENERGY



The photograph shows a wind farm at Carnsore Point, Co. Wexford.

Name **three** other types of renewable energy.

- (i) _____
- (ii) _____
- (iii) _____

OR

10B. FARMING

The box below contains inputs, processes and outputs on a farm.

Circle **three** outputs on a farm.

<i>ploughing</i>	<i>labour</i>	<i>cutting silage</i>
<i>tractor</i>	<i>spraying</i>	<i>calves</i>
<i>capital</i>	<i>slurry</i>	<i>wheat</i>

11. INDUSTRIAL LOCATION

Sometimes an industry remains at its original location even though the reasons which led to it locating there no longer exist. This is known as:

- | | |
|-----------------------|--------------------------|
| Industrial decline | <input type="checkbox"/> |
| Industrial relocation | <input type="checkbox"/> |
| Industrial inertia | <input type="checkbox"/> |
| Footloose industry | <input type="checkbox"/> |

Tick (✓) the correct box.

12. RECLAIMED LAND

Circle the correct answer in each of the following statements.

- (i) Land that has been reclaimed from the sea is known as a *polder* / *tombolo*.
- (ii) A country that has reclaimed land from the sea is *the Netherlands* / *Austria*.
- (iii) Settlements on this reclaimed land are usually arranged in *unplanned* / *planned* patterns.

13. ECONOMIC ACTIVITY

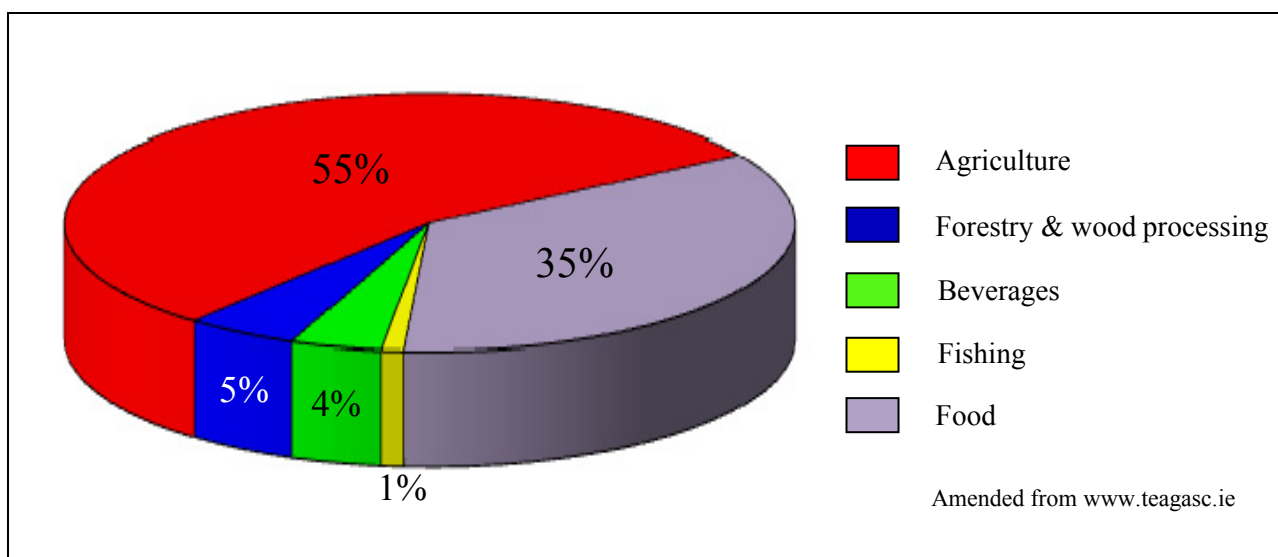
Which one of the following lists are all examples of people involved in tertiary economic activity?

- | | |
|---|--------------------------|
| Miner, farmer, Garda, shopkeeper. | <input type="checkbox"/> |
| Baker, nurse, fisherman, doctor. | <input type="checkbox"/> |
| Hairdresser, bank official, forestry worker, plumber. | <input type="checkbox"/> |
| Dentist, tour guide, taxi driver, teacher. | <input type="checkbox"/> |

Tick (✓) the correct box.

14. EMPLOYMENT STRUCTURE

Employment in the Agri-food Sector, 2011



Examine the pie chart above showing employment in the Agri-food sector in 2011.

Indicate which **three** statements below are correct by ticking (✓) the correct box.

1. Fishing accounted for the smallest percentage of employment in the Agri-food sector.
2. Agriculture and food accounted for 90% of employment in the Agri-food sector.
3. Fishing and beverages accounted for 8% of employment in the Agri-food sector.
4. Just over one third were employed in the food sector.
5. The percentage employed in beverages was greater than the percentage employed in forestry and wood processing.

1, 2, 3 ☐

1, 3, 4 ☐

1, 2, 4 ☐

1, 4, 5 ☐

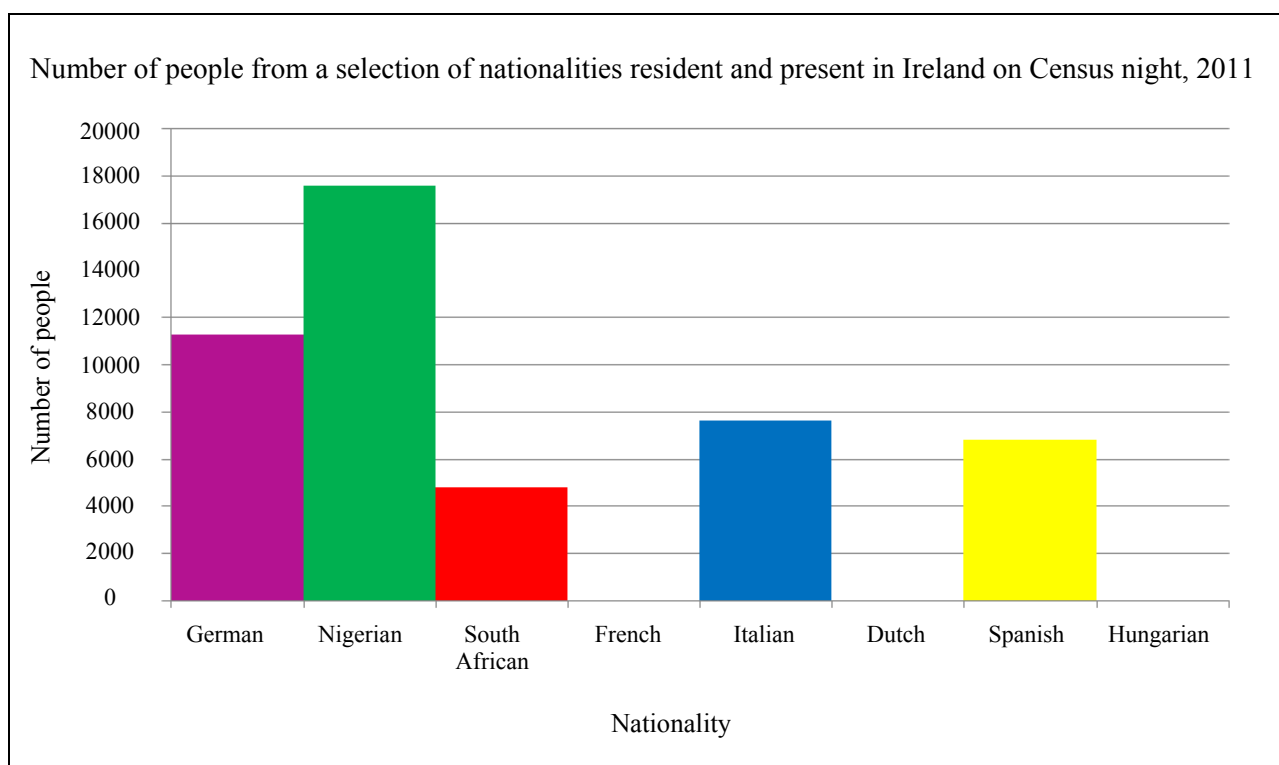
15. CENSUS GRAPH

The table shows the number of people from a selection of nationalities, resident and present in Ireland on Census night in 2011.

Use the information in the table to complete the bar graph for the French, Dutch and Hungarian nationalities.

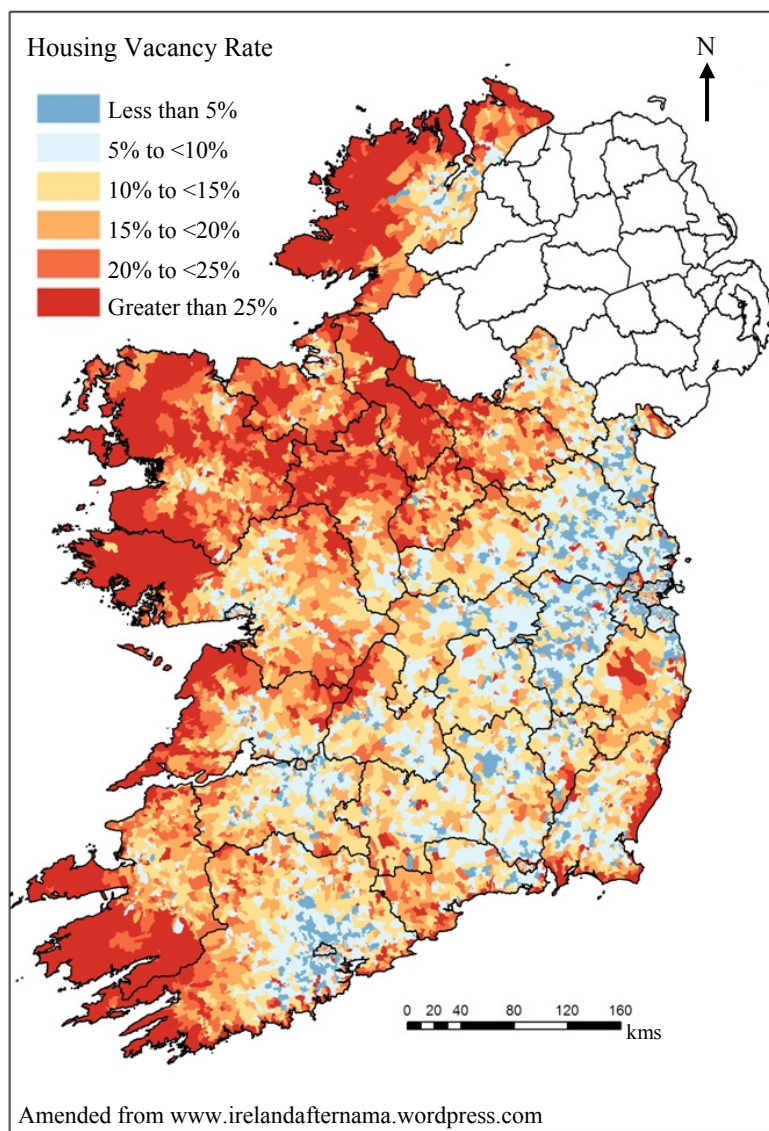
Nationality	German	Nigerian	South African	French	Italian	Dutch	Spanish	Hungarian
Number of People	11,300	17,600	4,800	10,000	7,600	4,000	6,800	8,000

Amended from www.cso.ie



16. REGIONAL VARIATIONS

Irish Housing Vacancy Rates in the Republic of Ireland, 2011



Circle the correct option in each of the following statements.

- (i) The west of Ireland had a greater housing vacancy rate than the east. **True / False**
- (ii) Most of west Galway had a housing vacancy rate of 10% to < 15%. **True / False**
- (iii) All of County Clare had a housing vacancy rate of 15% to < 20 %. **True / False**

17. ORDNANCE SURVEY MAP

Examine the Ordnance Survey map supplied with this paper.
Name the rural settlement pattern located at X 293 935.

Rural Settlement pattern _____

18. ORDNANCE SURVEY MAP

Examine the Ordnance Survey map supplied with this paper.
In the boxes provided, match each of the letters in **Column X** with the number of its pair in **Column Y**. One match has been completed for you.

Column X	
A	S 275 006
B	X 277 958
C	X 249 952
D	S 246 007

Column Y	
1	Mixed Woodland
2	Spot height 154
3	Cairn
4	Crossroads

X	Y
A	
B	
C	4
D	

19. ORDNANCE SURVEY MAP

Examine the Ordnance Survey map supplied with this paper.
Within grid square X 22 92 there is a:

- National Primary Road ☐
- National Secondary Road ☐
- Third Class Road ☐
- Regional Road ☐

Tick (✓) the correct box.

20. AERIAL PHOTOGRAPH

Examine the aerial photograph of Dungarvan supplied with this paper.
The photograph is:

- A vertical photograph ☐
- An oblique photograph ☐

Tick (✓) the correct box.