

WARNING

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

Write your Examination Number here

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JUNIOR CERTIFICATE EXAMINATION, 2002

GEOGRAPHY - HIGHER LEVEL

SECTION 1 - FOLDER

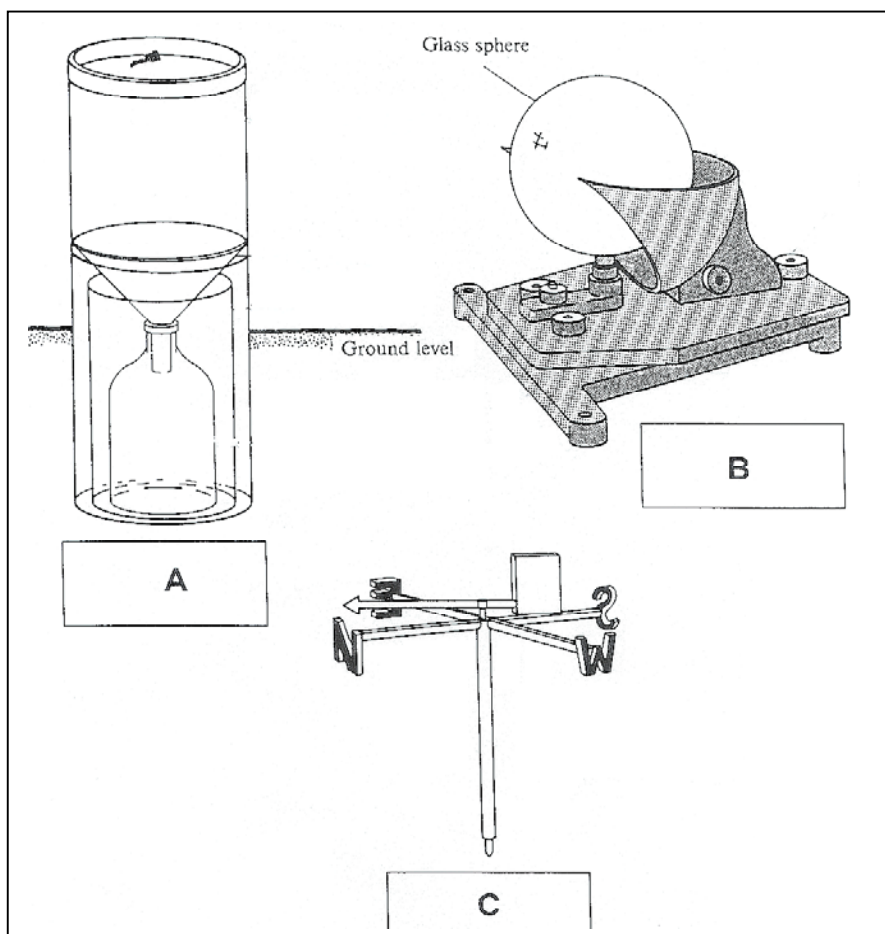
MONDAY 10th JUNE - AFTERNOON, 1.30 TO 3.30

SECTION 1 (60 MARKS)

ALL questions to be answered. You have
an either / or choice *within* 3 questions.
Be sure to return this folder with your answerbook,
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1. WEATHER INSTRUMENTS

Examine the diagram below and answer the questions that follow.



- (i) Instrument **A** is used to measure _____
- (ii) Instrument **B** is called a _____
- (iii) Instrument **C** shows that the wind is blowing from a _____ direction.

2. ROCKS

CIRCLE the correct answer in **EACH** of the statements below.

Basalt is a/n **METAMORPHIC ROCK** / **IGNEOUS ROCK**

The main rock found in the Burren Co. Clare is **LIMESTONE** / **SANDSTONE**

Marble is a **METAMORPHIC ROCK** / **SEDIMENTARY ROCK**

3. USE OF THE EARTH'S RESOURCES

This cartoon refers to the use of the earth's energy resources.



Name **THREE** non-renewable energy resources

1: _____

2: _____

3: _____

4. SOILS

Use the words provided to complete the sentences below.

Brown earth soils

Hardpan

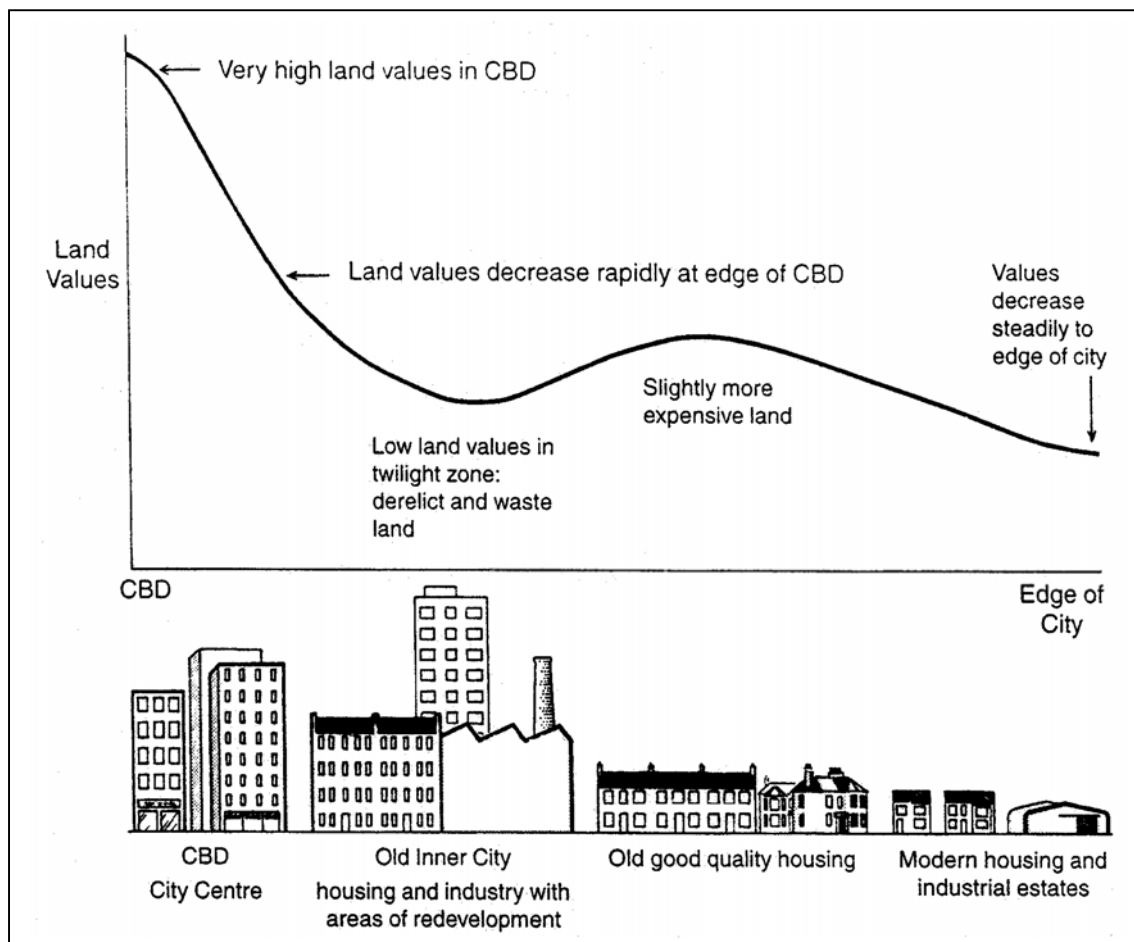
Podzols

The soil type that develops beneath coniferous forests is _____

The most common soil type in Ireland is _____

The hard layer of leached material is called _____

5. URBAN LAND VALUES



Study the diagrams which show a cross section of a city.

You are required to identify the **THREE** correct statements.

1. The highest land values are found in the City Centre.
2. Land values are lowest at the edge of the city.
3. Two storey buildings are found mainly in the city centre.
4. Values rise in the zone of modern housing and industrial estates.
5. In the Old Inner City land values are low.

The **CORRECT** statements are numbers:

[tick ✓ the correct box]

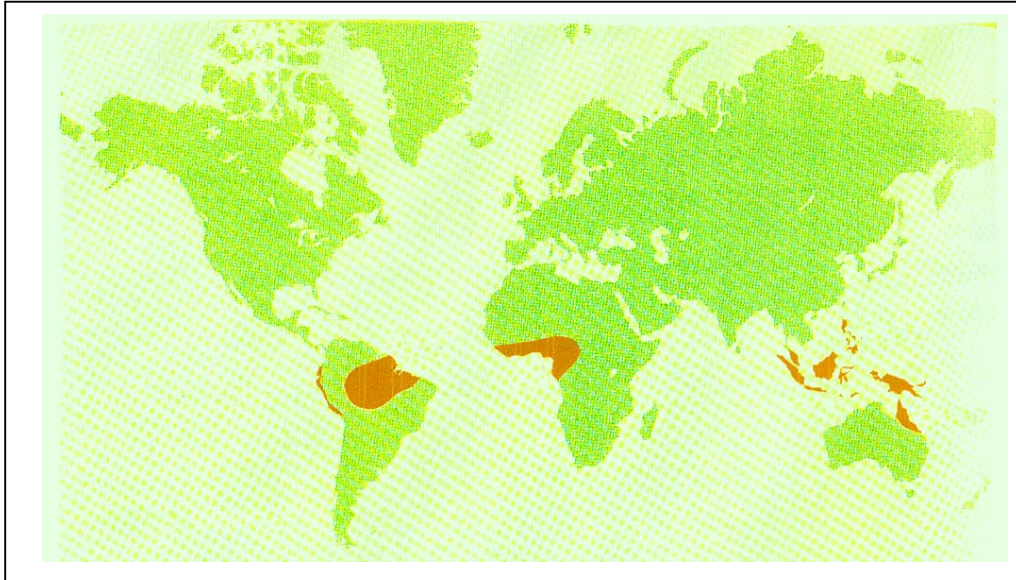
1, 3, 5 ☐

1, 2, 5 ☐

2, 3, 4 ☐

3, 4, 5 ☐

6A. CLIMATIC REGIONS ANSWER EITHER 6A OR 6B



Study the map above and identify the climate experienced by the region shaded red.
[tick ✓ the correct box]

Warm Temperate Oceanic Climate

☐

Hot Desert

☐

Equatorial

☐

OR

6B . CLIMATE STATISTICS

MONTH	J	F	M	A	M	J	J	A	S	O	N	D
Temp. °C	26	26	26	27	27	27	26	27	27	27	27	27
Prec. Mm	305	357	357	320	260	170	150	109	90	85	68	149

Examine the temperature and precipitation figures for the above weather station.

CIRCLE the correct answer in **EACH** of the statements below.

Precipitation is higher in the three month period **May June July** /
November December January

The temperature range is **1°C** / **26°C**

The mean precipitation for June, July and August is **429mm** / **143mm**

7. Answer EITHER 7A or 7B

7A GLACIATION

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

X	
A	Corrie
B	Arete
C	Fjord
D	Hanging Valley
E	Ribbon Lake

Y	
1	Narrow ridge between two corries
2	Glaciated valley overhanging main valley
3	Hollow on valley floor scooped out by ice
4	Steep-sided hollow containing a lake
5	Glaciated valleys drowned by rising sea levels

A	4
B	
C	
D	
E	

OR

7B MARINE

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

X	
A	Lagoon
B	Storm beach
C	Tombolo
D	Sand dune
E	Sand spit

Y	
1	Links an "island" to the mainland
2	Bay cut off from the sea by a body of sand
3	Mounds of sand anchored by marram grass
4	Sand and shingle stretching across a bay
5	Deposited when waves are very strong

A	
B	
C	1
D	
E	

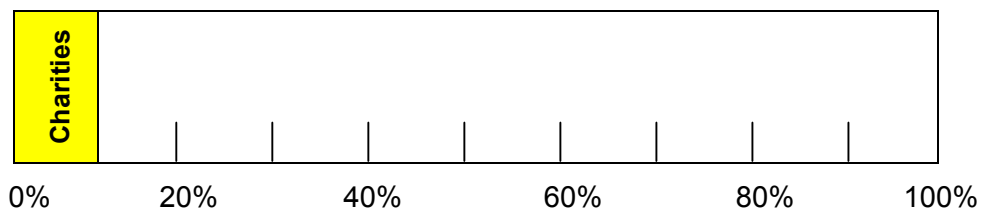
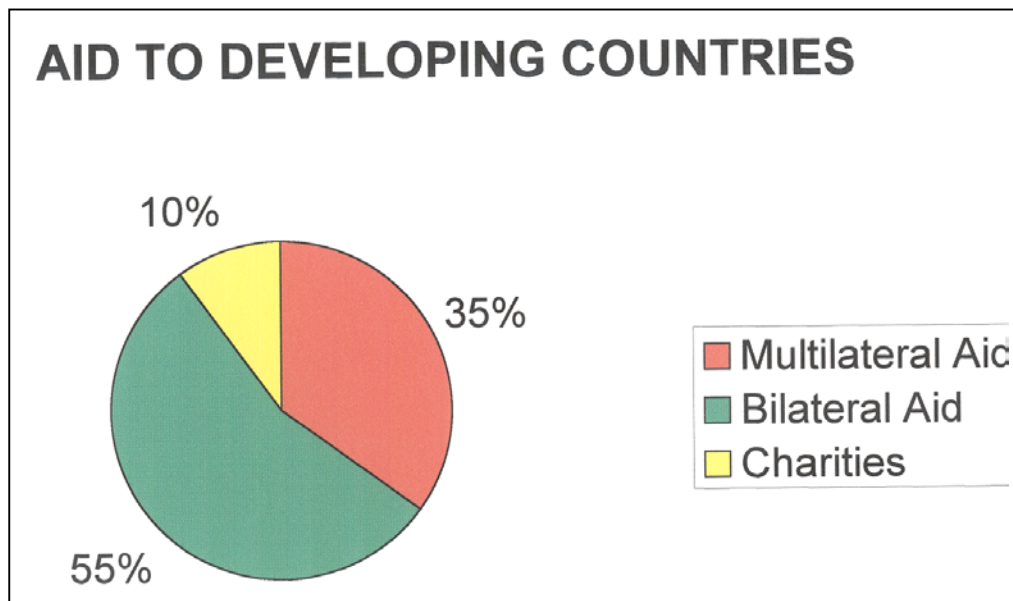
8. URBAN PROBLEMS

Name **THREE** problems associated with **URBAN SPRAWL**.

1. _____
2. _____
3. _____

9. STATISTICAL SKILLS

Complete and label the divided rectangle below using the information shown on the pie chart



10. MANUFACTURING INDUSTRY

A **FOOTLOOSE** industry is one where:

[tick ✓ the correct box]

A factory remains even though the original reason for its location there no longer exists.

☐

The Government provides grants to build a new factory.

☐

The industry can locate in a wide variety of areas.

☐

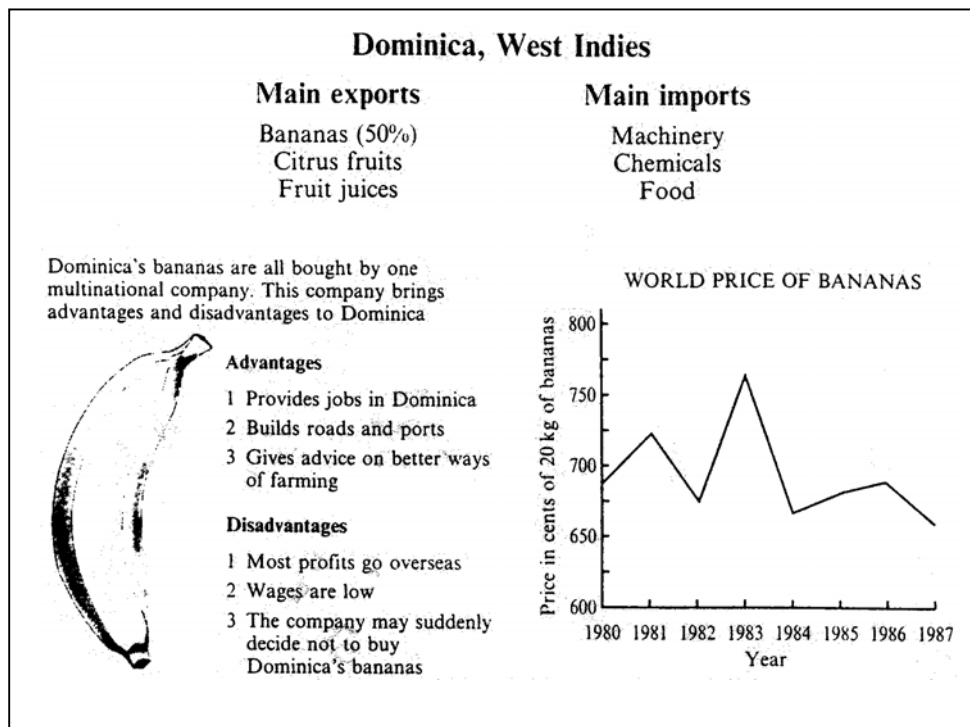
The industry locates where coal is available.

☐

11. WORLD TRADE

Examine the information in the diagram below.

CIRCLE the correct answer in **EACH** of the statements below.



- (i) Dominica is an example of a **DEVELOPED / DEVELOPING** country.
- (ii) The price received by Dominica for bananas was **LOWER / HIGHER** in 1987 than in 1980.
- (iii) State one disadvantage for Dominica in selling its banana crop to a multinational company.
-

12. Answer EITHER 12A or 12B

12A SETTLEMENT PATTERNS

When rural settlement is arranged in a line along a valley it is described as having a _____ pattern.

OR

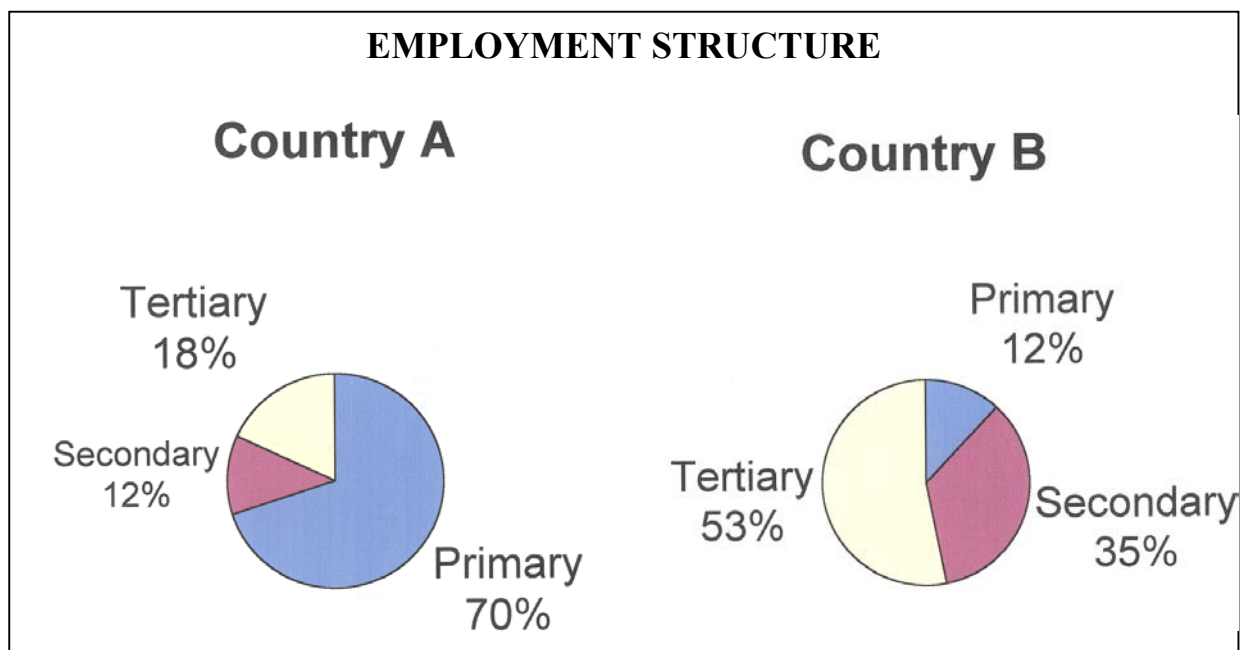
12B DRAINAGE PATTERNS

When the tributaries of a river join at right angles the drainage pattern is described as a _____ pattern.

13. EMPLOYMENT STRUCTURE

Examine the pie charts below and state which pie chart represents the employment structure in a **DEVELOPING COUNTRY**.

[tick ✓ the correct box]

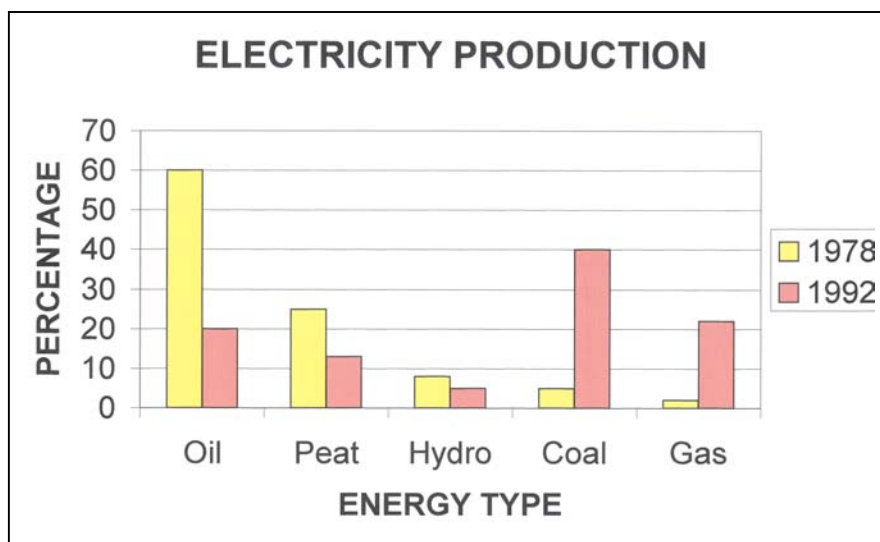


Country A ☐

Country B ☐

14. SOURCES OF ELECTRICITY PRODUCTION

Examine the bar graph below which shows the sources of electric power in 1978 and 1992. Circle the correct answer for each of the sentences below.



Between 1978 and 1992 the dependence on oil has **DECREASED / INCREASED**

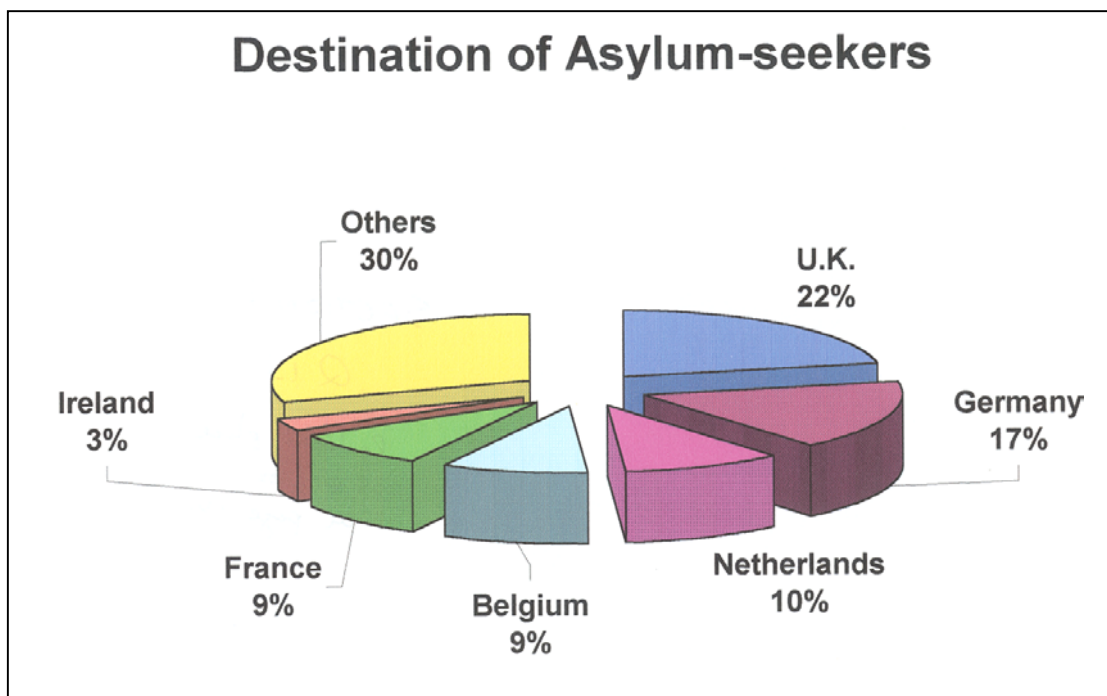
In 1992 Gas was more important than Peat **TRUE / FALSE**

Between 1978 and 1992 the dependence on coal rose to **25% / 40%**

15. DESTINATION OF ASYLUM-SEEKERS

Study the pie chart which shows the destination of asylum-seekers arriving in the E.U.

You are required to identify the **THREE** correct statements.



1. The percentage seeking asylum in France is equal to that in Belgium.
2. The percentage seeking asylum in Germany is equal to that for France and Netherlands together.
3. The percentage seeking asylum in the U.K. is more than seven times greater than Ireland.
4. The percentage seeking asylum in the named E.U. countries combined is less than the figure for 'Others'.
5. The percentage seeking asylum in Ireland & U.K. combined is greater than for Germany.

The **CORRECT** statements are numbers:

[tick ✓ the correct box]

1, 2, 3 ☐

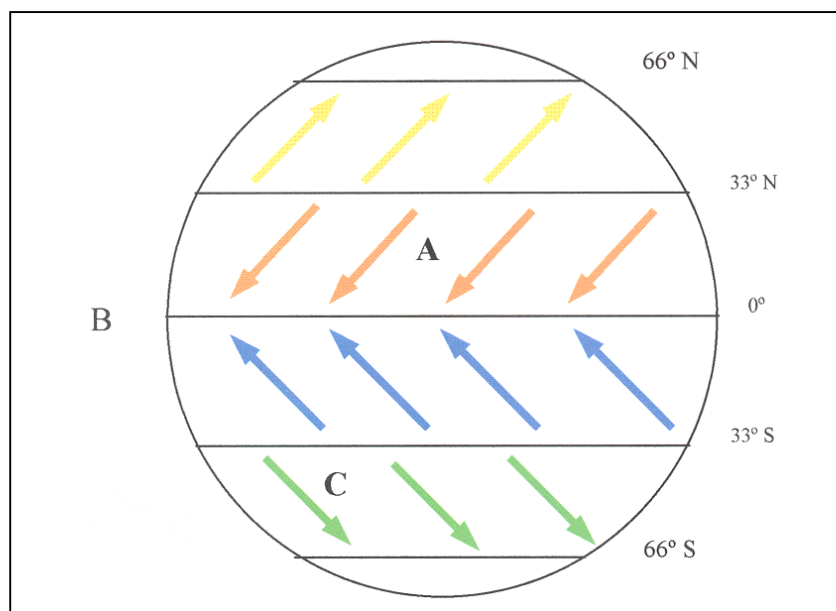
1, 3, 5 ☐

2, 3, 4 ☐

3, 4, 5 ☐

16. THE WORLD WIND SYSTEM AND PRESSURE BELTS

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



1. The winds at A are called the **TRADE WINDS / ANTI-TRADE WINDS**
2. The area of low pressure at B is known as the **DOLDRUMS / HORSE LATITUDES**
3. The winds at C are known as the **SOUTH WEST ANTI-TRADE WINDS / NORTH WEST ANTI-TRADE WINDS**

17. ORDNANCE SURVEY

Calculate the distance in kilometres along the R600 road between the following places

Barrel Cross Roads [W 609 480] and the northern end of **the bridge** at [W 635 493].

Distance is _____

18. ORDNANCE SURVEY

Study the Ordnance Survey map and legend (key) supplied.

The area of sea south of northing 47 is nearest to which of the following?

- | | |
|--------------------|--------------------------|
| 20 km ² | <input type="checkbox"/> |
| 14 km ² | <input type="checkbox"/> |
| 28 km ² | <input type="checkbox"/> |
| 24 km ² | <input type="checkbox"/> |

19. ORDNANCE SURVEY

The following sentences describe a town of the Ordnance Survey map. Read the passage and answer the questions below.

This settlement is located in the north-east section of the map.
It has a Post office and a public telephone.
It is built at the junction of two regional roads.

Name the settlement

Identify the two regional roads

20. ORDNANCE SURVEY

The general direction of the coastline

FROM Frower Point [W 671 469] **TO** Ferry Point [W 690 490] is

[tick ✓ the correct box]

East - West

☐

South East – North West

☐

South West – North East

☐

North - South

☐