

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, 2010

GEOGRAPHY – HIGHER LEVEL

SECTION 1 – FOLDER

FRIDAY, 11 JUNE - MORNING, 9.30 TO 11.30

Folder Marking Grid					
	Questions		Mark	Examiner	Advising Examiner
		@	3		
		@	2		
		@	1		
		@	0		
Total					

SECTION 1 (60 MARKS)

ALL questions to be answered.

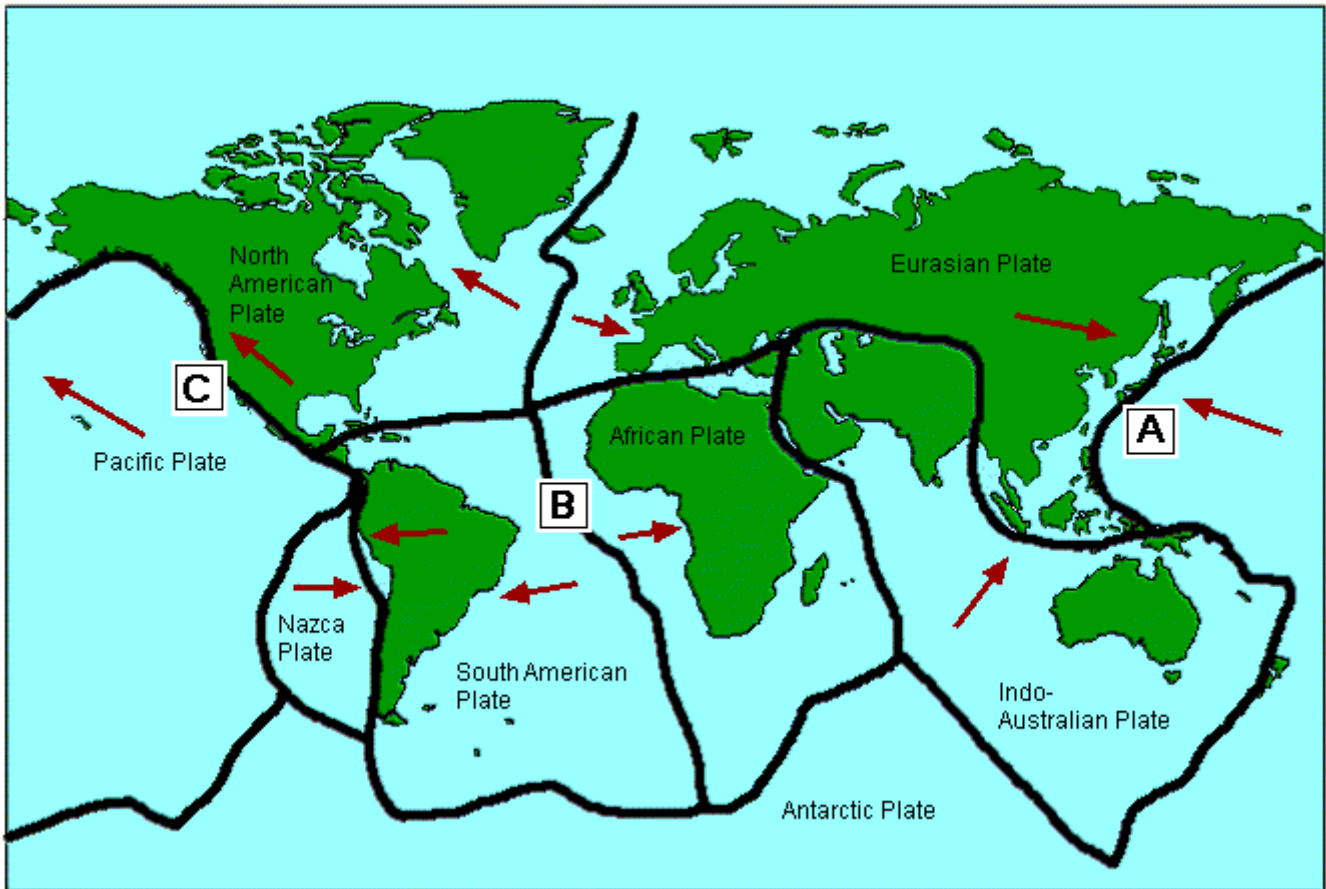
You have an either / or choice *within* 3 questions.

Be sure to return this folder with your answer book.

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1. THE EARTH'S CRUST

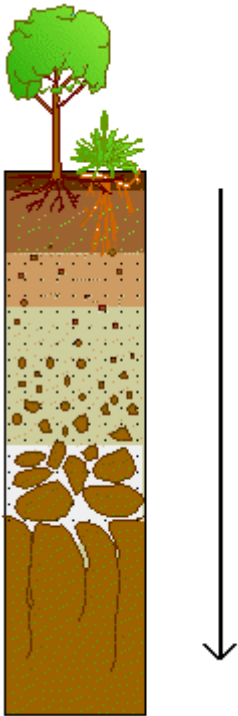
The map shows some of the earth's crustal plate boundaries.



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

- (i) The area at **A** is a major earthquake zone. *True / False*
- (ii) The area at **B** is known as the Mid-Atlantic Ridge. *True / False*
- (iii) The area at **C** is known as the Rocky Mountain Fault. *True / False*

2. SOILS



Source: Enchanted Learning

The diagram shows a typical soil profile.

Water, washing nutrients down through the soil, out of the reach of plant roots, is known as:

Humification

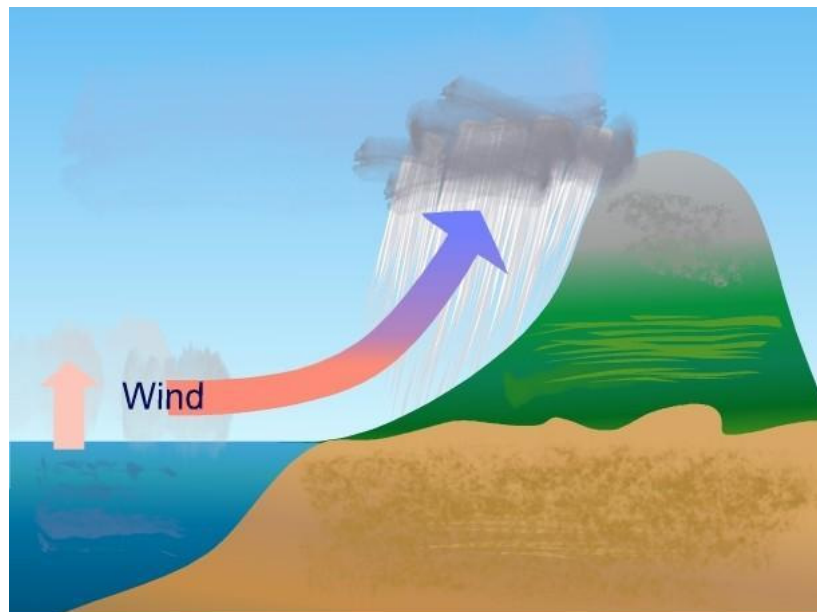
Hard pan

Leaching

Peaty soil

Tick (✓) the correct box.

3. RAINFALL



Source: wikipedia.org

The type of rainfall shown in the diagram above is:

Convective rainfall

Relief rainfall

Frontal / cyclonic rainfall

Tick (✓) the correct box.

4. THE EARTH AND ROCKS

The picture shows an erupting volcano.



Source: minyanville.com

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

- (i) The volcano shown is *dormant* / *active*.
- (ii) The rock group formed here is *igneous* / *sedimentary*.
- (iii) The rock type formed is *basalt* / *sandstone*.

5. **ROCKS**

The photograph shows rock that has been weathered.



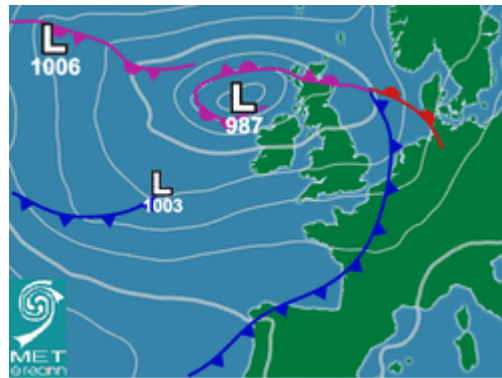
Source:wikimedia.org

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

- (i) This rock is *sandstone* / *limestone*.
- (ii) This feature is formed by *chemical* / *mechanical* weathering.
- (iii) An example of this rock can be found in *the Giant's Causeway* / *the Burren*.

6. **WEATHER CHART**

Examine the weather map below.



Source: meteireann.ie

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 made for you.

Column X	
A	
B	
C	
D	

Column Y	
1	Depression
2	Isobars
3	Cold Front
4	Warm Front

X	Y
A	2
B	
C	
D	

7. STATISTICS

The chart shows figures for the fishing industry in Ireland.



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

1. The largest percentage exported to any one country is 24%.
2. Equal amounts are exported to the UK and Germany.
3. The smallest percentage is exported to Italy.
4. More fish products are exported to Non EU than to Other EU countries.
5. Over 50% of fish products are exported to France, Spain and the UK combined.

The correct statements are:

1, 2, 4

2, 3, 4

1, 3, 5

2, 4, 5

ANSWER EITHER 8A OR 8B

8A. MEASURING WEATHER

Several instruments are used to measure elements of the weather.

<i>Stevenson screen</i>	<i>barometer</i>	<i>thermometer</i>
<i>anemometer</i>	<i>hygrometer</i>	<i>Campbell-Stokes recorder</i>

Use some of the words from the box above to fill in the blanks in the passage below.

Temperature is measured using a _____ and humidity is measured using a _____.

Both of these instruments are placed in a _____ to shade them from direct sunlight.

OR

8B. MANUFACTURING SYSTEMS

The diagram shows that a factory is a system with inputs, processes and outputs.



In the box below, circle **three** items, which may be factory inputs.

<i>Labour</i>	<i>Capital</i>	<i>Waste material</i>
<i>By-products</i>	<i>Transport</i>	<i>Manufactured products</i>

ANSWER EITHER 9A OR 9B

9A. COASTS



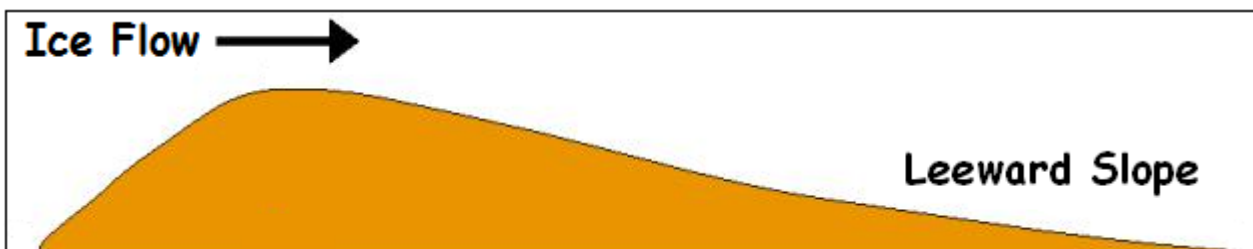
Source: geocities.com

Circle the correct answer in **each** of the following statements:

- (i) The feature labelled **X** in the photograph above is a *spit / tombolo*.
- (ii) This is a feature of *coastal erosion / coastal deposition*.
- (iii) Sand moves along the coast by a process called *longshore drift / attrition*.

OR

9B. GLACIATION



Source:geography-site.co.uk

Circle the correct answer in **each** of the following statements:

- (i) The feature shown in the diagram is *an outwash plain / a drumlin*.
- (ii) This is a feature of *glacial erosion / glacial deposition*.
- (iii) Material carried by moving ice is called *moraine / alluvium*.

ANSWER EITHER 10A OR 10B

10A. DAYLIGHT TABLE

Sunrise and Sunset Table			
Date	Time of Sunrise	Time of Sunset	Length of Day in hrs.
Day 1	05:30	21:34	16:04
+ 3 Months	07:58	18:23	10:25
+ 6 Months	08:25	16:49	08:24

Source: gaisma.com

Use the table to answer the questions below:

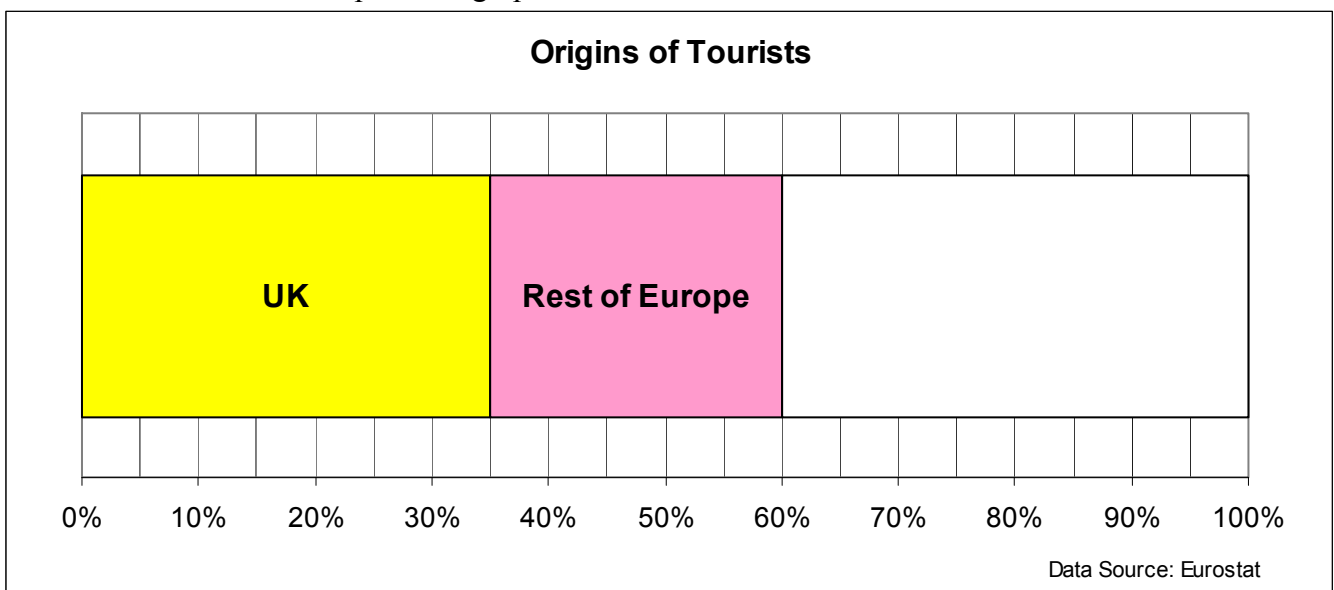
- (i) Day 1 is in the _____ season.
- (ii) In +3 months the time of sunset will be _____.
- (iii) The length of the shortest day will be _____.

OR

10B. GRAPH DRAWING

Origins of Tourists	
UK	35%
Rest of Europe	25%
USA	20%
Asia	15%
Other	5%

Use the table to complete the graph below.



11. POPULATION DENSITY IN HONG KONG

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

1. Hong Kong has a low population density.
2. Air pollution from traffic is a big problem.
3. The harbour waters are heavily polluted.
4. Hong Kong has plenty of open spaces.
5. Many of the people live in high-rise apartments.

1, 3, 4

1, 4, 5

2, 3, 5

3, 4, 5

12. POPULATION MOVEMENT

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 made for you.

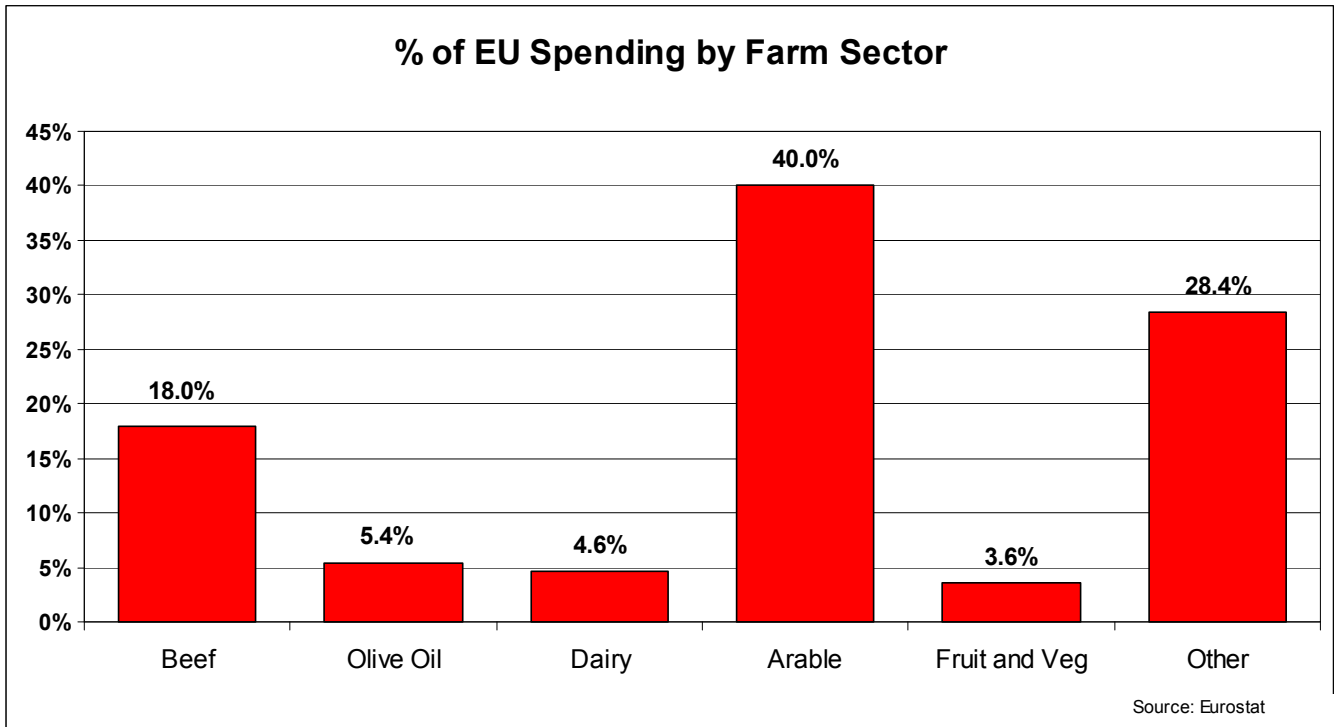
Column X	
A	Emigrant
B	A Push factor
C	Immigrant
D	A Pull factor

Column Y	
1	Religious or political persecution.
2	A person who migrates into an area.
3	A person who migrates out of an area.
4	A promise of freedom.

X	Y
A	
B	
C	
D	4

13. PRIMARY ACTIVITY

The graph below shows the percentage of EU spending by farm sector.



Use the graph to answer the questions below:

- (i) On which sector does the EU spend most? _____
- (ii) Calculate the total percentage spent on pastoral farming. _____
- (iii) Name one type of arable farming. _____

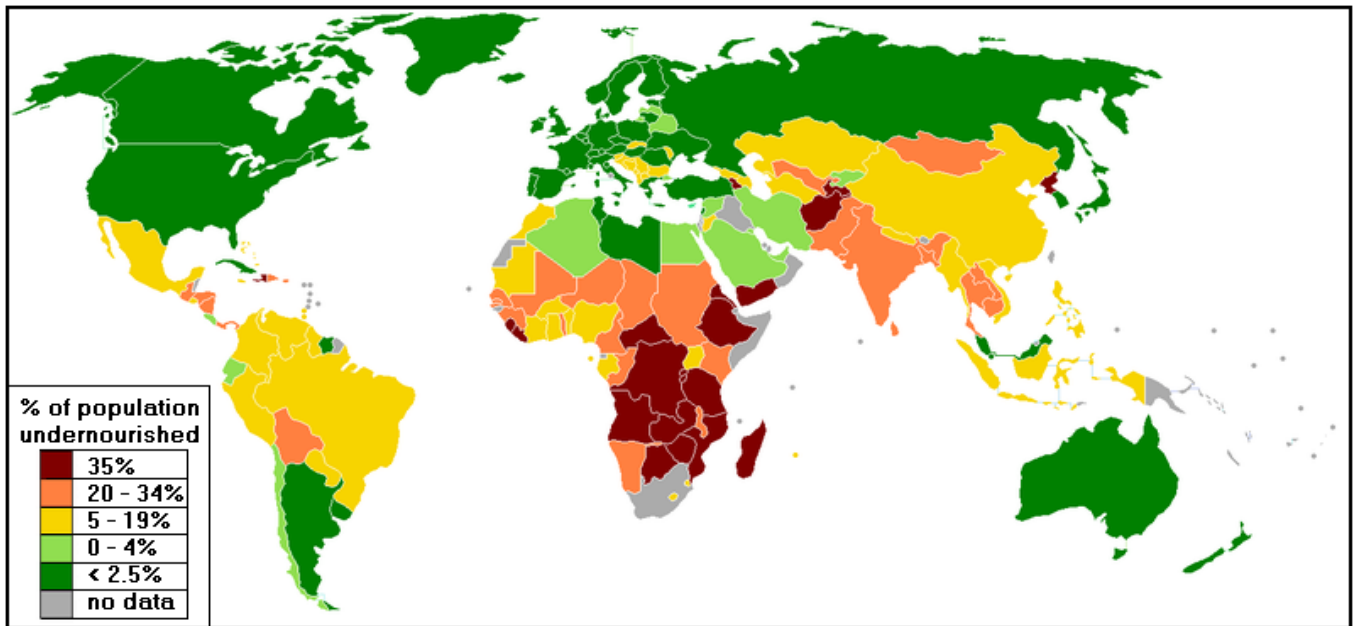
14. SOURCES OF ENERGY

Name **three** sources of renewable energy.

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

15. REGIONAL INEQUALITIES

The map shows the percentage of population that are undernourished throughout the world.



Write down the percentages of population that are undernourished in the following countries.

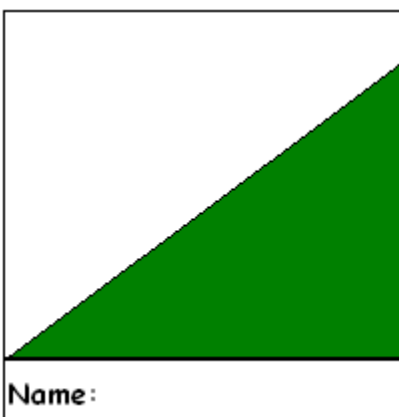
- (i) In Ireland _____
- (ii) In Brazil _____
- (iii) In Mali _____

16. TYPES OF SLOPES

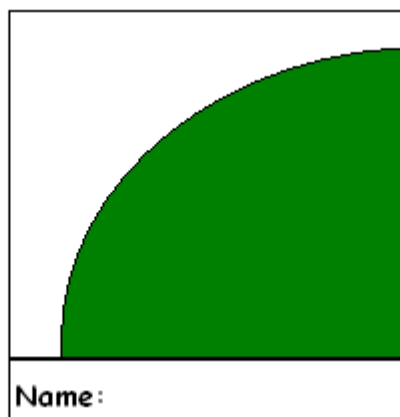
Use some of the words in the box below to write the correct name of each slope in the space provided under each diagram.

concave slope	convex slope	even slope
compound slope		stepped slope

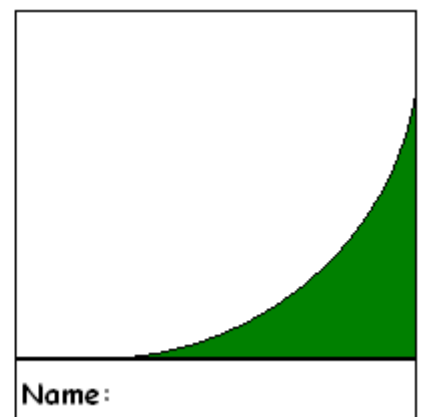
(i)



(ii)



(iii)



17. ORDNANCE SURVEY MAP

Study the Ordnance Survey map supplied.

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

Column X	
A	S 403 204
B	S 430 283
C	S 407 220
D	S 367 257

Column Y	
1	Railway Station
2	Castle
3	Megalithic Tomb
4	Golf Course

X	Y
A	4
B	
C	
D	

18. ORDNANCE SURVEY MAP

Use the Ordnance Survey map supplied to complete the statement below.

The R696 enters Carrick-on-Suir from a _____ direction.

19. AERIAL PHOTOGRAPH



This bridge is shown in the aerial photograph accompanying this paper.

Give the location of this bridge using the usual notation (right background, centre middleground, left foreground etc.)

Location _____

20. ORDNANCE SURVEY MAP AND AERIAL PHOTOGRAPH



This castle is shown in the aerial photograph accompanying this paper.

Find this castle on the Ordnance Survey map and write down its location, using a six-figure grid reference.

Location _____

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