

**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**

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**JUNIOR CERTIFICATE EXAMINATION, 2009**

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**GEOGRAPHY - HIGHER LEVEL**

**SECTION 1 - FOLDER**

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**FRIDAY, 5 JUNE - AFTERNOON, 2.00 to 4.00**

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**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.

Otherwise, marks will be lost.

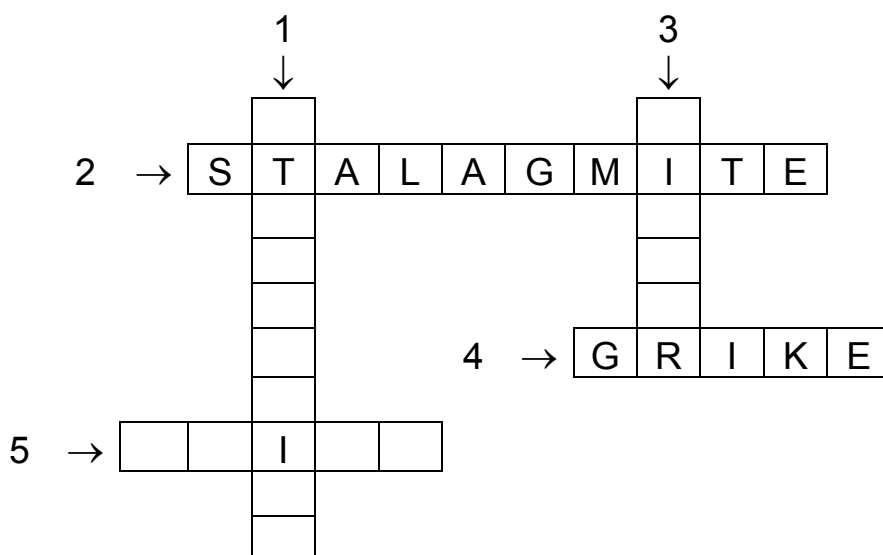
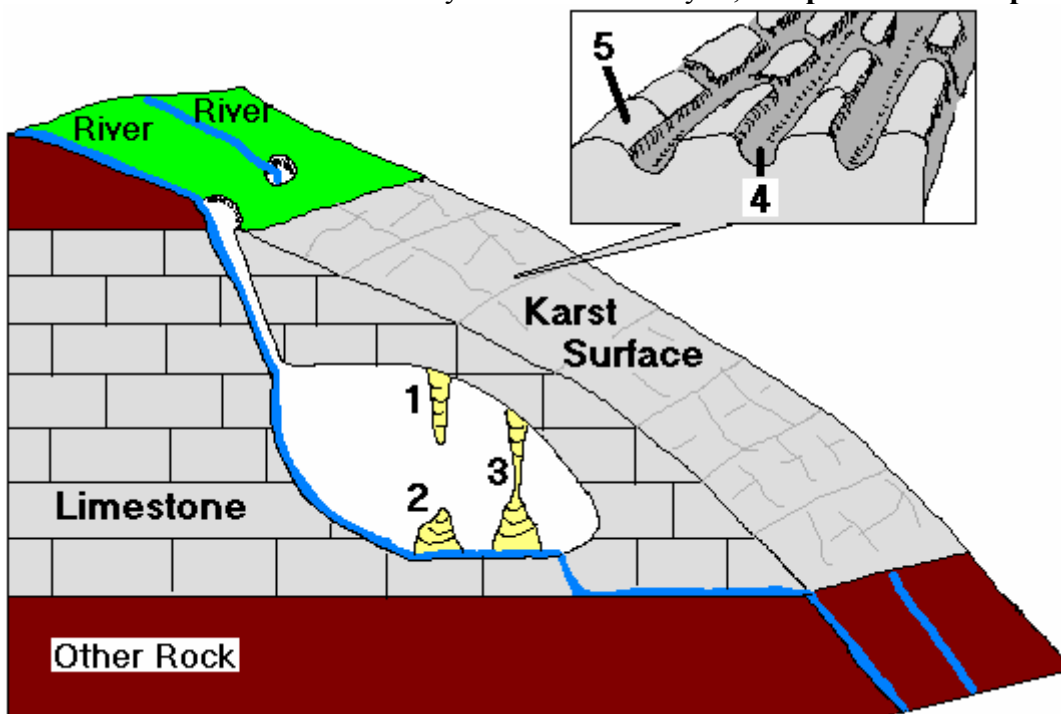
## 1. ROCKS

Which of the following are **all examples of sedimentary rocks**? [Tick (✓) the correct box.]

- (i) Granite, limestone and quartzite
- (ii) Granite, marble and quartzite
- (iii) Marble, coal and sandstone
- (iv) Sandstone, limestone and shale

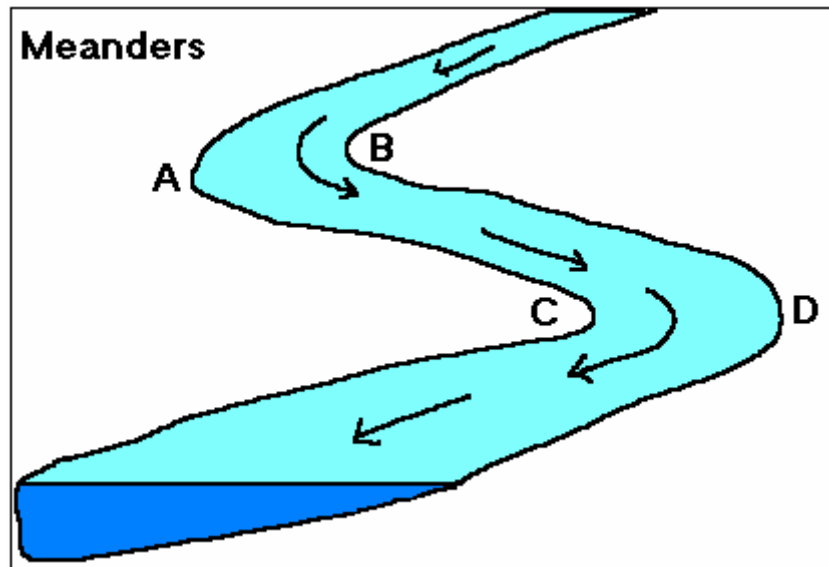
## 2. LIMESTONE FEATURES

The names of the features labelled **1 to 5** in the diagram solve the word puzzle below. Features 2 and 4 have already been entered for you, **complete the word puzzle**.



### 3. RIVER EROSION AND DEPOSITION

The diagram shows river meanders. The statements below refer to the diagram. One of the statements is correct. Tick (✓) the box opposite the correct statement.



The river is:

- (i) Eroding at **B** and depositing at **A**
- (ii) Eroding at **B** and depositing at **C**
- (iii) Eroding at **A** and depositing at **C**
- (iv) Eroding at **C** and depositing at **D**

### 4. FISHING

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

- (i) Fish are a *renewable* / *non-renewable* natural resource.
- (ii) To locate fish modern fishing boats use *motorised winches* / *echo sounders*.
- (iii) Fish stocks have been seriously depleted in the Irish Sea because of *global warming* / *over-fishing*.

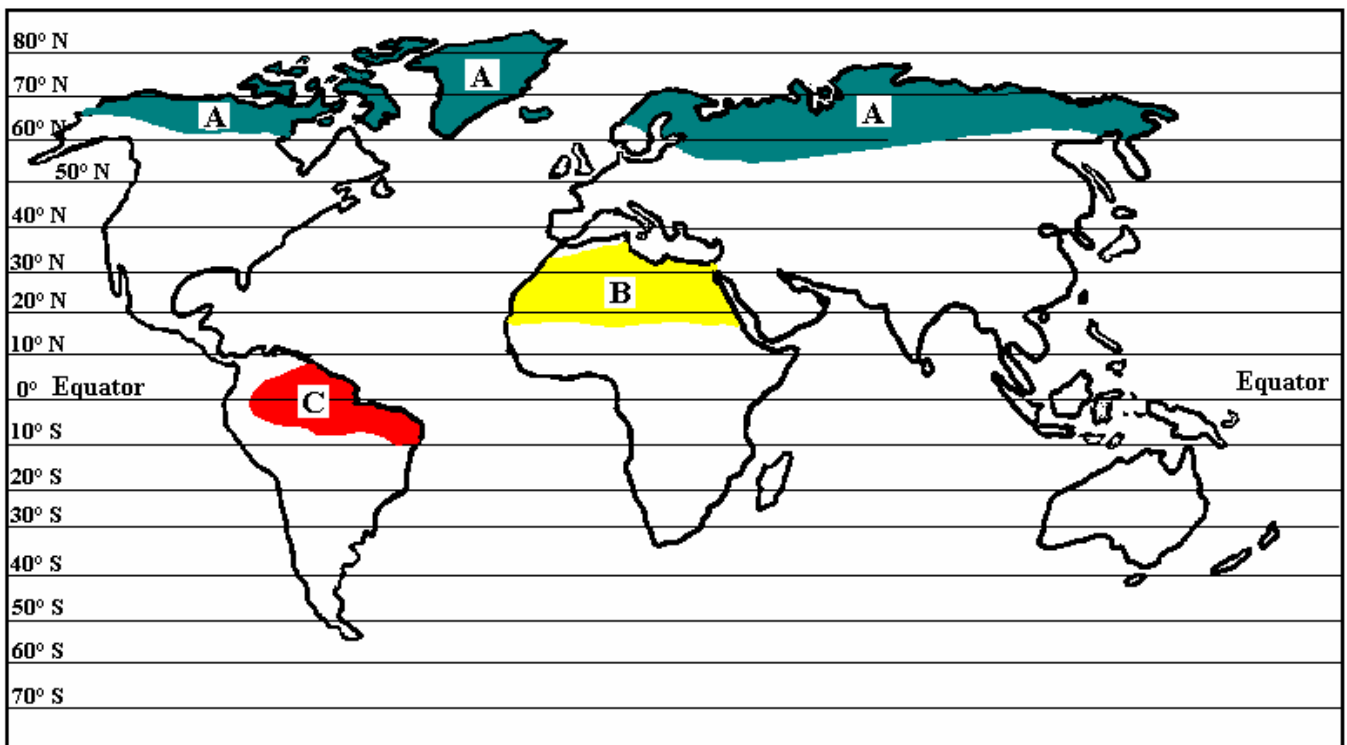
## 5. ECONOMIC ACTIVITIES

The box below contains a number of primary, secondary and tertiary economic activities. Circle **three** primary economic activities that appear in the box.

<i>teacher</i>	<i>baker</i>	<i>factory worker</i>	<i>fisherman</i>
<i>lawyer</i>	<i>shop assistant</i>	<i>farmer</i>	<i>taxi driver</i>
<i>garda</i>	<i>mine worker</i>	<i>mechanic</i>	<i>tourist guide</i>

## 6. CLIMATES

The map shows the location of each of **three** climate types.



Name the climate in **each** region shown in the spaces provided.

- (i) The climate in region A: \_\_\_\_\_
- (ii) The climate in region B: \_\_\_\_\_
- (iii) The climate in region C: \_\_\_\_\_

**ANSWER EITHER 7A OR 7B**

**7A. THE WORK OF MOVING ICE**

Which of the following are **all features of glacial erosion**?  
Tick (✓) the correct box.

- (i) Fjord, moraine, pyramidal peak
- (ii) Arête, cirque, U-shaped valley
- (iii) Boulder clay, cirque, hanging valley
- (iv) Arête, cirque, drumlin

**OR**

**7B. THE WORK OF THE SEA**

Which of the following are **all features of sea erosion**?  
Tick (✓) the correct box.

- (i) Blow hole, headland, tombolo
- (ii) Blow hole, sea cliff, sea stack
- (iii) Beach, sea arch, sea cave,
- (iv) Beach, sand spit, tombolo

**ANSWER EITHER 8A OR 8B**

**8A. MEASURING WEATHER**

The table shows the monthly temperature and rainfall figures for a town in India.

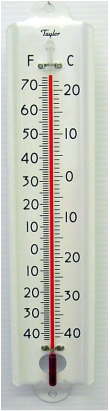
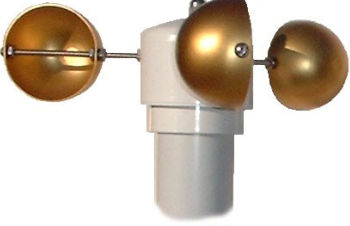

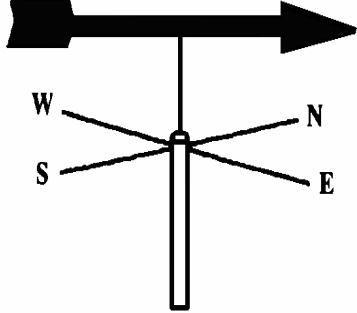
Months	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Rainfall in mm	20	80	125	175	235	300	385	300	250	150	50	20
Temp in °C	24	27	32	36	34	33	32	30	30	29	28	26

- (i) Name the wettest month \_\_\_\_\_
- (ii) Calculate the annual temperature range \_\_\_\_\_

**OR**

**8B. WEATHER INSTRUMENTS**

The pictures show four weather instruments labelled A-D. Match **each** of the labels A-D with the correct instrument listed in the box. One match has been made for you.

			
<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

Weather Instrument	Letter
Wind vane	
Anemometer	<b>B</b>
Thermometer	
Campbell-Stokes Recorder	

**ANSWER EITHER 9A OR 9B**

**9A. MANUFACTURING INDUSTRY**

Industries sometimes do not move to new locations, even when changing locational factors suggest that they should do so. This is called: [Tick (✓) the correct box]

- (i) Industrial inertia
- (ii) Industrial decline
- (iii) Industrial relocation
- (iv) Industrial infrastructure

**OR**

**9B. MANUFACTURING INDUSTRY**

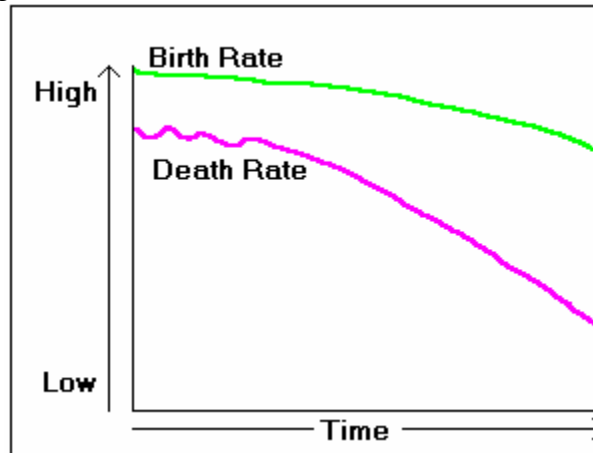
Indicate which **three** of the statements below are true by ticking (✓) the correct box.

1. Heavy industries are usually located in industrial estates at the edges of cities or large towns.
2. Capital is the money required to set up and run a factory.
3. Factories are systems with inputs, processes and outputs.
4. Britain's iron and steel industry migrated from coastal locations to coal field locations.
5. A footloose industry is one that can be situated equally successfully in a wide variety of locations.

- (i) 1, 2, 3
- (ii) 2, 3, 4
- (iii) 2, 3, 5
- (iv) 3, 4, 5

## 10. BIRTH RATES AND DEATH RATES

The diagram shows changes over time in a country's birth rate and death rate. The statements below relate to the diagram.

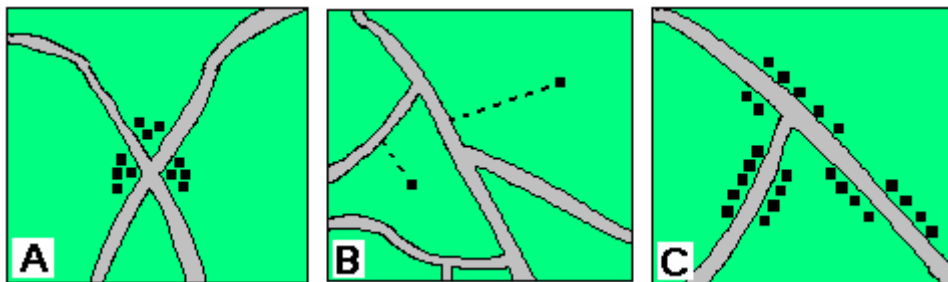


Indicate whether **each** statement is true or false by **circling** the *true* or *false* alternatives.

- (i) The death rate fluctuated (went up and down) at first and then fell quite rapidly. *True / False*
- (ii) The birth rate fell more rapidly than the death rate. *True / False*
- (iii) This country has a natural increase in population. *True / False*

## 11. SETTLEMENT PATTERNS

Examine the sketch maps labelled A, B and C.



- (i) The type of settlement pattern shown in *sketch map A* is \_\_\_\_\_
- (ii) The type of settlement pattern shown in *sketch map B* is \_\_\_\_\_
- (iii) The type of settlement pattern shown in *sketch map C* is \_\_\_\_\_



## 12. ASPECTS OF POPULATION

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		Column Y		X	Y
<b>A</b>	The number of people per square kilometre	<b>1</b>	Immigration	<b>A</b>	
<b>B</b>	The spread of people in any given area	<b>2</b>	Population density	<b>B</b>	
<b>C</b>	When people come to live in an area	<b>3</b>	Population explosion	<b>C</b>	<b>1</b>
<b>D</b>	Very rapid population growth	<b>4</b>	Population distribution	<b>D</b>	

## 13. POPULATION CHANGE OVER TIME

The table shows the populations of **four** Irish counties at different times.

	1986	1996	2006
<b>Galway</b>	179,223	190,006	232,334
<b>Mayo</b>	114,985	111,497	124,648
<b>Sligo</b>	57,556	55,848	61,891
<b>Leitrim</b>	27,187	25,564	28,841

- (i) Which county had the largest population in 2006? \_\_\_\_\_
- (ii) Which county had the smallest population in 1996? \_\_\_\_\_
- (iii) Which county had the smallest increase in population between 1986 and 2006?  
\_\_\_\_\_

## 14. WESTERN EUROPE

The map on the right shows a part of Western Europe.

Use the map to answer the questions below:

- (i) Name the river labelled 'X' on the map.

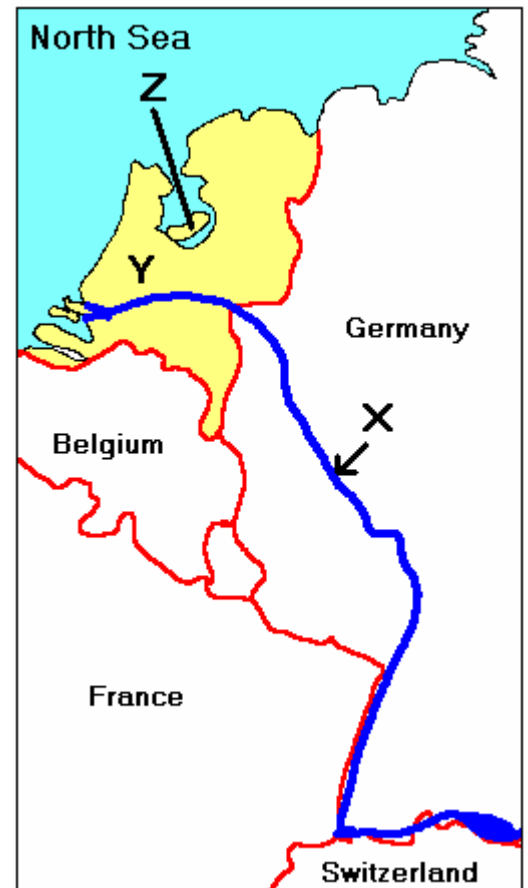
\_\_\_\_\_

- (ii) Name the country labelled 'Y'.

\_\_\_\_\_

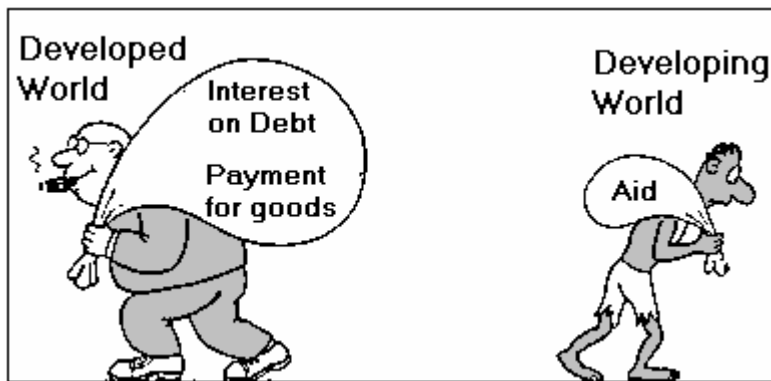
- (iii) The place labelled 'Z' has been reclaimed from the sea. The name given to land reclaimed from the sea is:

\_\_\_\_\_



## 15. DEVELOPING WORLD

Study the cartoon below and answer the questions that follow.



Adapted from original:  
www.cartoonstock.com

Which **one** of the following messages is given by the cartoon? Tick (✓) the correct box.

- (i) The Developing World receives more in aid than it pays for goods and interest
- (ii) The Developed World benefits more than the Developing World
- (iii) The Developing World benefits more than the Developed World
- (iv) The Developed World gives more in aid than it receives for goods and interest

## 16. URBAN ZONES

Match **each** of the urban photographs labelled **A – D** with the correct option in the box. One match has been made for you.



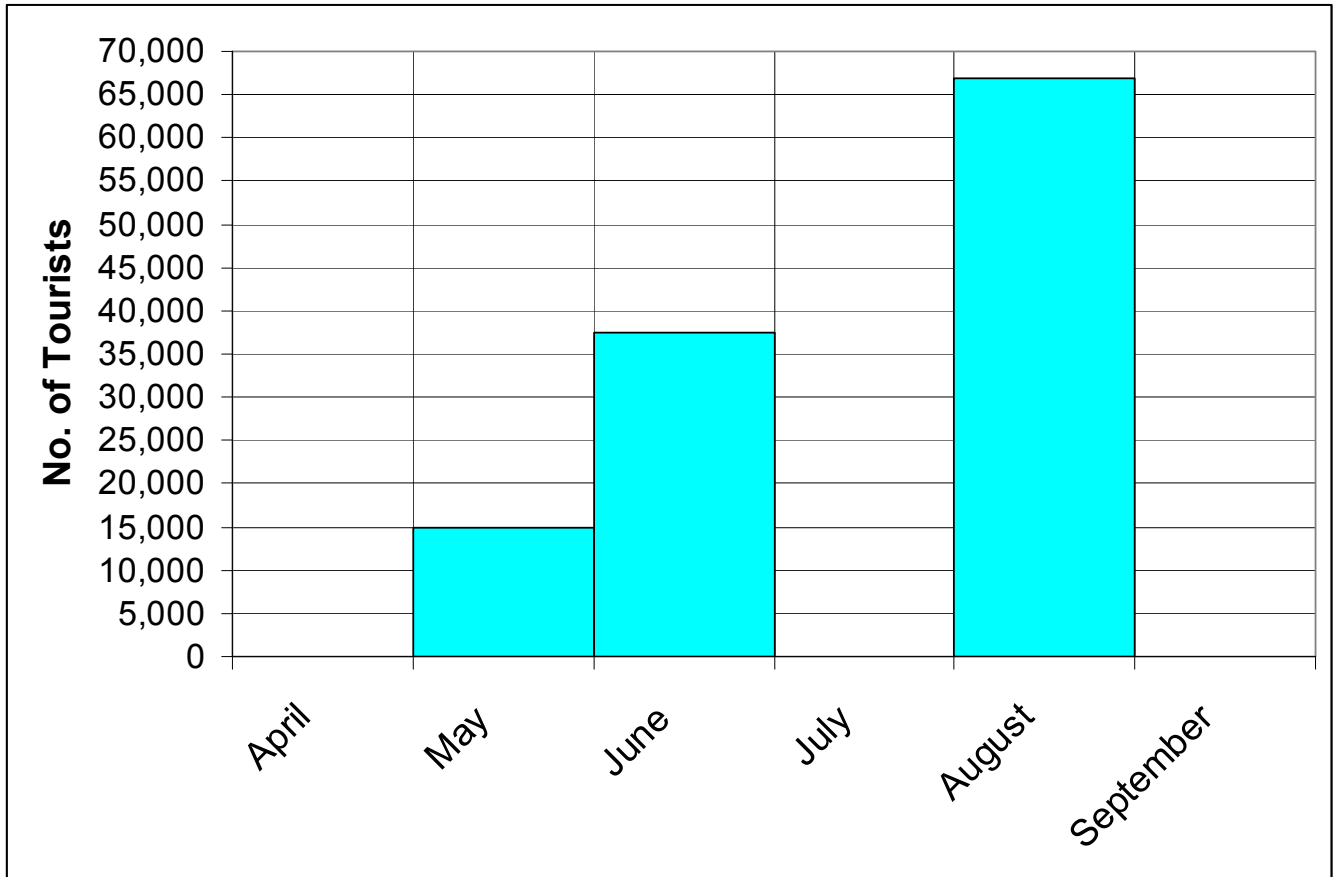
Letter	Urban Area
	CBD
	Industrial estate
<b>C</b>	Urban renewal
	Suburb

## 17. BAR GRAPH

The table and the bar graph show the approximate numbers of tourists who visited a Spanish holiday resort over six months in 2008.

Use the information in the table to draw the bars for April, July and September.

Month	April	May	June	July	August	September
No. of Tourists	10,000	15,000	37,500	55,000	68,800	25,000



**18. ORDNANCE SURVEY MAP**

Examine the Ordnance Survey map supplied.

What direction is it from Rathnew (T 28 95) to Wicklow (T 31 93)? \_\_\_\_\_

**19. ORDNANCE SURVEY MAP**

Examine 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 pair has been matched for you.

Column X	
A	T 273 914
B	T 327 935
C	T 307 947
D	O 287 014

Column Y	
1	Golf Course
2	Church
3	Castle
4	Railway station

X	Y
A	3
B	
C	
D	

**20. AERIAL PHOTOGRAPH**

Examine the aerial photograph supplied.

The large all weather playing field can be found in the: (Tick (✓) the correct box).

(i) Right background

(ii) Centre background

(iii) Left middleground

(iv) Centre foreground

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