

## National University of Ireland, Galway

## SUMMER EXAMINATIONS 2000

B.A. (Economics and Social Studies)

## INFORMATION TECHNOLOGY

**Practical Paper**

(Paper 2)

Time allowed: **Two hours**

Attempt ALL three questions  
All questions carry equal marks

Q.1 Open **EXCEL** and enter the data as shown below:-

Country	Population	EMU	Area (Km <sup>2</sup> )	Government Type	Pop'n/Km <sup>2</sup>
Ireland	3509000	Yes	70284	Constitutional Republic	
Peru	22332000	No	1285216	Multiparty Republic	
United Kingdom	57376000	No	244100	Constitutional Monarchy	
Brazil	150368000	No	8511965	Multiparty Republic	
Germany	77754000	Yes	356755	Constitutional Republic	
USA	250941000	No	9372614	Federal Republic	
Sweden	8523000	Yes	449964	Constitutional Monarchy	
Israel	4616000	No	20770	Multiparty Republic	

Sample  
Average




- Create a Formula to calculate the number of people per square Kilometer (Pop'n/Km<sup>2</sup>)
- Create Formulae to calculate the Average values for each of the following columns:-
 

Population
Area (Km<sup>2</sup>)
Pop'n/Km<sup>2</sup>
- Produce a Column Graph to display the Population per Km<sup>2</sup> for all the countries listed
- Save your work to the A:\ Drive called "PopulationSS"

Q.2 Open ACCESS and create a new database on A:\ Drive called "Population DB"

a) Create a new Table using the same column headings, in the same order, as used in Question 1.

b) Copy the data for each country in the spread sheet (Q.1) and Paste into the new Table created in Question 2.a

c) Carry out the following interrogations and display all fields for each record found in the file, save all your work:-

Query 1            Population of less than 50 persons per Km<sup>2</sup>

Query 2            Government Type is Multiparty Republic and has less than 200 persons per Km<sup>2</sup>

Query 3            Has less than the Population Average and has a Government Type of Constitutional Monarchy and is a member of the EMU

d) Create a Report from Query 1 to display all records found in the following format:-

Group by Government Type to show Country, Population and Area (Km<sup>2</sup>)  
And Sorted by Country in Alphabetic Order.

**Print and Save your Report**

Q.3 Open **WORD** and create a document to include the following:-

### **WORLDWIDE SAMPLE**

The following summary graph displays a noticeable difference between the countries listed. This may be a reflection of the following economic factors:-

- High level of industrialisation
- Technologically advanced
- Power supplement form Nuclear Fuel
- Extensive arms industry

Object Embed the Graph  
Created in Question 1  
To this Area

***What conclusions can be taken for the Celtic Tiger economy?***

- a) Enter your name in Top Right corner of page as a Header.  
Enter to-day's date in Centre as a Footer.
- b) Print the document.
- c) Save your work to the A:\ Drive as "PopulationWP".