Question 1: Multiple Choice   **(5 marks)**

1. Which one of the following is considered as an advantage of **Filegroups**?

    a) usingfilegroups, we can explicitly place database objects into a particular set of database files.
    b) the ability to **backup** only a single filegroup at a time
    c) we can logically group database files into a filegroup.
    d) All of these

2. Which of the following functions adds a specified number interval to a specified datepart of date?

    a) DATEDIFF (*datepart* , *startdate* ,*enddate*)
    b) DATENAME (*datepart* , *date*)
    c) DATEADD (*datepart* ,*number* , *date*)
    d) DATEPART (*datepart* , *date*)

3. Which of the following statements is **NOTTRUE**about views?

    a) Views do not have permanent data.
    b) Updates on Views allowed at all.
    c) Views can be based on one or more tables.
    d) Views can be dropped without dropping tables.

4. Which of the following statements **areTRUE** about stored procedures?

    a) They reside on the client.
    b) They reside on the server.
    c) You can encapsulate multiple SQL statements in a stored procedure.
    d) You encapsulate a single SQL statement in each stored procedure.

5. Which of the following commands eliminate a **CUSTOMER**table from a database?

    a) REMOVE TABLE CUSTOMER
    b) DELETE TABLE CUSTOMER
    c) DROP TABLE CUSTOMER
    d) UPDATE TABLE CUSTOMER

Question 2:   **(4 marks)**

a) List three types of constraints and provide an example of one of them.

b) Compare and contrast a Unicode and Non-Unicode character types.

Table Name: Employees

ID	Name	DeptId	Annual_Salary	City
E0001	Brown	01	45,000	London
E0002	White	02	36,000	Toulouse
E0003	Green	01	40,000	Oxford
E0004	Neri	03	45,000	Dover
E0005	Brown	04	80,000	London
E0006	Chen	04	73,000	Worthing
E0007	Bradshaw	01	40,000	Brighton
E0008	Jackson	02	46,000	London

Table Name:Departments

DeptId	DeptName	Address
01	Administration	Bond Street
02	Production	Rue Victor Hugo
03	Distribution	Pond Road
04	Planning	Bond Street
05	Research	Sunset Street

Consider a database containing the tables above and answer the following questions:

a) By using the **JOIN** statement, write **SQL** query to list the names of all employees,the result should stat the department name and address.

(3 marks)

b) **Createview** to list the number and average salary of employees in each department. The result should state the department name, number of employees, and average salary of employees for each department.

(4 marks)

c) Create**GetEmployeeById** stored procedure to return only the specified employee and **test** it.

(4 marks)

I wish you great success