

**LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**

**B.Sc. DEGREE EXAMINATION – STATISTICS**

FIFTH SEMESTER – APRIL 2010

**ST 5403 - DATABASE MANAGEMENT SYSTEMS**

Date & Time: 29/04/2010 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

**SECTION A:** Answer ALL the questions (10 x 2 = 20 Marks)

1. What are the Data Manipulation Language Operators?
2. What are the components of Structured Query Language?
3. What is the purpose of system catalog?
- 4 Give an example to illustrate the purpose of the NVL function.
- 5 Explain Private and Public SYNONYM.
- 6 What is a subquery?
- 7 What is the purpose of DISTINCT clause.
- 8 Explain the Data Definition Language
- 9 How do you create a base table with the same structure of some other existing base table.
- 10 What are the special operators used in SQL?

**SECTION B:** Answer Any FIVE questions (5 x 8 = 40 Marks)

11. Debug the following SQL statement  
SQL> CREATE TABLE employees  
(emp\_id NUMBER(4) NOT NULL,  
emp\_name VARCHAR2(25) NOTNULL,  
designation VARCHAR2(20),  
salary NUMBER(11, 2),  
manager\_id NUMBER(4),  
CONSTRAINT emp\_id\_pk  
PRIMARY (emp\_id)),  
CONSTRAINT emp\_manager\_id\_fk  
FOREIGNKEY (manager\_id)  
REFERENCE employees (emp\_id);
- 12 a)What is the purpose of a sequence and Create a repetitive sequence based on the emp\_id with an increment by 10 from the employees table.  
  
b) How do you select the average quantity\_ordered and the total price of the orders from the order table?

