



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

**M.C.A.DEGREE EXAMINATION – COMPUTER APPLICATIONS**

FOURTHSEMESTER – APRIL 2018

**CA 4959- DATABASE ADMINISTRATION**

Date: 09-05-2018  
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

**Part-A**

**Answer all the questions**

**( 10 X 2 = 20)**

1. How will you start and shutdown a database ?
2. What is embedded SQL?
3. How will you retrieve tablespace information ?
4. What are roles ?
5. What are indexes ?
6. Write down the syntax for a cursor for loop?
7. What are undo tablespaces?
8. What is exclusive lock ?
9. What is incremental backup ?
10. What is database crash ?

**Part-B**

**Answer all the questions**

**( 5 X 8 = 40)**

11. a) Explain the steps to create and delete a data base.  
**(OR)**  
b) Explain the database structure of oracle.
12. a) Write down the steps to create and edit the data base.  
**(OR)**  
b) How will you retrieve table space for matrix?
13. a) Explain the categories of operators used in SQL .  
**(OR)**  
b) What are stored procedures ? Create a procedure to read p, n, r and calculate simple interest.
14. a) Types of maintenance operations.  
**(OR)**  
b) How will you resolve the lock conflicts?
15. a) Explain the types of database backups.  
**(OR)**  
b) Explain query tuning in SQL with example.

### Part-C

Answer any two questions

( 2 X 20 = 40)

16. i) Explain the steps to be followed while installing oracle.  
ii) Explain the ways of creating and assigning privileges and roles to users.
17. i) Explain views and the types of views.  
ii) Explain deadlock management in oracle.
18. i) Explain the types of database failures.  
ii) Write a trigger to copy the rows deleted from other table, with the same structure.  
Use trigger.

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