



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.C.A. DEGREE EXAMINATION – COMPUTER APPLICATIONS

FOURTH SEMESTER – APRIL 2017

CA 4959- DATABASE ADMINISTRATION

Date: 29-04-2017
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

Part – A

Answer All the questions

(10X2=20)

1. Write down the services available in Oracle 10g.
2. What is cold backup?
3. What are tablespaces?
4. Write the syntax and example to create an index.
5. What are aggregate functions?
6. Which trigger is applicable on views?
7. What is the use of “difference table”?
8. What is shared lock?
9. How Oracle detects deadlock and prevents?
10. What is the usage of Recover Command?

Part – B

Answer All the questions

(5X8=40)

11. a) Write down the steps to create and configure a database.
(OR)
- b) Explain the Grid and Cloud architecture of Oracle 10g?
 12. a) What are roles? Write any four predefined roles in Oracle.
(OR)
 - b) How to grant and withdraw the privileges? Give examples.
 - 13 a) What are explicit cursors? give example.
(OR)
 - b) What are indexes? What is the advantages of using index? Give an example to create an index on more than one column.
14. a) Explain the contents of UTLBSTAT. SQL.
(OR)
- b) Write down the steps to run SQL Access Advisor.
15. a) Write down the types of database failures.
(OR)
- b) Explain the RMAN Architecture.

Part C

Answer Any TWO questions

(2X20=40)

16 i) Explain Oracle database architecture with block diagram.

ii) Explain the process of Creating, Editing and Deleting tablespace and retrieve the tablespace information through OEM.

17 i) What are packages? Give an example to overload a package.

ii) How to Create, Alter and Remove the undo tablespace?

18. i) How to take backup of Data files, Control files and Archived Redo log?

ii) Write a stored procedure to read necessary values and add them to Employee table.

Validate the employee with the minimum of 19 years. If not display an error message.

Schema: EMPLOYEE(Empno, Name, DOB, Job)

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