

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2015 Batch) (Sem.-3)
DATABASE ADMINISTRATION
Subject Code : MCA-301
Paper ID : [74073]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.**
- 2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**
- 3. Use of non-programmable scientific calculator is allowed.**

SECTION-A

1.
 - a) Describe steps to configure any component of database.
 - b) Describe the activities of database environment management.
2.
 - a) What is a Client-Server Model? Describe any five database servers.
 - b) What are communication protocols? Explain any two.

SECTION-B

3.
 - a) What is migration and consolidation of database server?
 - b) Describe task automation. What is the importance of trouble-shooting?
4.
 - a) Discuss the role of database replication in database administration. Explain.
 - b) Describe the issues of data export and import in multiple servers.

SECTION-C

5. Explain the steps to create and modify user roles.
6. Describe Database Encryption. Explain factors that are helpful in database recovery in case of Disaster.

SECTION-D

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 - a) What is performance tuning methodology? What are various requirements of performance tuning?
 - b) What is table optimization? Discuss the use of index in performance.
- 8
 - a) What is full table scan? How is re-writing SQL queries helpful in optimizations?
 - b) What is database clustering? Explain.

SECTION-E

9. **Write briefly :**
 - a) What is Log Switch?
 - b) What is On-line Redo Log?
 - c) Which parameter specified in the DEFAULT STORAGE clause of CREATE TABLESPACE cannot be altered after creating the tablespace?
 - d) What is Restricted Mode of Instance Startup?
 - e) What is Partial Backup?
 - f) What is Mirrored on-line Redo Log?
 - g) What is Full Backup?
 - h) Explain the relationship among Database, Tablespace and Data file.
 - i) How can we specify the Archived log file name format and destination?
 - j) When a form is invoked with call __ form. Does oracle forms issues a save point?