

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

MCA (2012 & Onward) (Sem.-3)
DATABASE ADMINISTRATION

Subject Code : MCA-301

Paper ID : [B1157]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

- 1. SECTIONS-A, B, C & D contains TWO questions each carrying TWENTY marks each and students have 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. What are the different steps involved in installing & upgrading Oracle & compare it with different database packages?
2.
 - a) Explain Client Server Model in detail.
 - b) Explain different role & responsibilities of DBA.

SECTION-B

3. What do you mean by Monitoring & trouble-shooting for Managing Database Server & explain it in detail?
4.
 - a) Discuss Business policy implementation in detail.
 - b) Write short note on database compression.

SECTION-C

5. Explain in detail the process of database security.
6. What do you mean by database Recovery & explain different techniques of database recovery?

SECTION-D

7. What is performance tuning? What are the requirements of performance Tuning & explain its Methodology?
8. Explain process of Monitoring & optimizing the performance of database. How indexes can be used to improve performance?

SECTION-E

9. **Describe briefly :**
 - a. Discuss communication protocols.
 - b. Explain different database views.
 - c. Write note on data integrity.
 - d. What do you mean by Grant & Revoking privileges?
 - e. Explain disaster recovery.
 - f. Discuss database clustering.
 - g. What do you mean by database mirroring?
 - h. Discuss various client tools for administrative task.
 - i. Write process to modifying user account.
 - j. Write note on Re-writing SQL queries.