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Total No. of Questions : 18

MCA (2015 to 2018)   (Sem.–3)
DATABASE ADMINISTRATION
Subject Code : MCA-301
M.Code : 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.

SECTION-A

1) a) Describe client-server model.

   b) Discuss the activities of database environment management.

2) What is database package? Compare various database packages with market.

SECTION-B

3) What is database replication? What are the problems faced during this? Explain in detail.

4) a) Write notes on :

   a. Data Compression

   b. Business Policy Implementation

   b) Write a note on Data Compression and Business Policy Implementation

SECTION-C

5) What is RAID technology? How it is implemented? Explain its levels in detail.

6) Explain all steps how to create, modify and delete user roles. Also discuss roles of user.

SECTION-D

7) What is an Index? How it helps in improving database performance? Explain with example.

8) What is performance tuning in databases? Discuss its methodology.

SECTION-E

Write briefly :

9) Log Switch

10) RAID

11) Instance Vs. Schema

12) Stored Procedures

13) Tablespace

14) Partial Backup

15 a) Auditing

    b) On-line redo log

16) Data Encryption

17) Sub Query

18) Nested Function

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.