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Total No. of Pages: 02
Total No. of Questions: 09

MCA (Sem.-3rd)
Database Administration
Subject Code: MCA-301
Paper ID: [B1157]

Time: 3 Hrs.

Max. Marks: 100

INSTRUCTIONS TO CANDIDATE:

Attempt one question each from section A. B. C. D. Section E is compulsory.

SECTION A

(20 marks)

- Q.1. (a) What is the role and the responsibilities of DBA? (10)
- (b) Explain in detail the client server model and various communication protocols (10)
- Q.2. What are views? Discuss the syntax for creating, updating and dropping views. What is the difference between update-able and read only views? (20)

SECTION B

(20 marks)

- Q.3. (a) How database replication is carried out in case of multiple servers? Explain. (10)
- (b) Discuss the procedure for importing and exporting a data in database servers. (10)
- Q4. Describe the following:
- (a) monitoring and troubleshooting database servers. (10)
- (b) Client tools for administrative tasks of servers (10)

SECTION C

(20 marks)

- Q.5. What is RAID? Discuss the various RAID levels, Discuss RAID implementation in detail (20)
- Q.6. What are privileges? Discuss how can we grant and revoke privileges to a user? What are roles and what is the benefit of using it. (20)

SECTION D

(20 marks)

- Q7. How performance tuning is carried out? Discuss the methodology and tools used for performance tuning. (20)
- Q8. Explain the following.
- (a) Database Mirroring. (10)
 - (b) Database Clustering. (10)

SECTION E

(20 marks)

- Q9. What is a sub query? (2)
- i. List various database packages available (2)
 - ii. How business policy is implemented? (2)
 - iii. What is database compression? (2)
 - iv. Which default Database roles are created When you create a Database? (2)
 - v. What is a Checkpoint? (2)
 - vi. When should you rebuilt indexes? (2)
 - vii. Can you assign Priority to users? (2)
 - viii. What is the difference between nextval and currval? (2)
 - ix. What is a Global Index and Local Index? (1)
 - x. What are different Oracle database objects? (1)

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