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MCA (Sem. - 3rd)

DATABASE ADMINISTRATION (2012 Batch)

SUBJECT CODE :MCA-301

Paper ID : [B1157]

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any one question from Section A, B, C and D.
- 2) Section E is compulsory.
- 3) All questions carry equal marks.

Section - A

- Q1)** a) What are indexes? Discuss its various types and how does indexes help in performance tuning?
b) What is the role and the responsibilities of DBA?
- Q2)** What is DBMS? How will you configure a database package? State the differences between Oracle and SQL Server.

Section - B

- Q3)** a) How database replication is carried out in case of multiple servers? Explain.
b) Discuss the procedure for importing and exporting a data in database servers.
- Q4)** Describe the following:
a) Monitoring and troubleshooting database servers.
b) Client tools for administrative tasks of servers.

Section - C

- Q5)** What is Database Backup? Why it is necessary to back up your database? Discuss the various backup and recovery strategies.
- Q6)** Write a note on
a) Database encryption
b) Auditing user activities.

Section - D

Q7) How performance tuning is carried out? Discuss the methodology and tools used for performance tuning.

Q8) Explain the following :

- a) Database Mirroring.
- b) Database Clustering.

Section - E

Q9)

- a) What are control files?
- b) What is an Oracle index?
- c) What are the types of sub queries?
- d) What is the difference between nextval and currval?
- e) What is the purpose of Redo Log files?
- f) Can you make a Datafile auto extendible? If Yes how?
- g) Can you assign Priority to users?
- h) What is a Global Index and Local Index?
- i) What are different Oracle database objects?
- j) What is database compression?

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