

END TERM EXAMINATION

FIFTH SEMESTER [MCA] DECEMBER 2007

Paper Code: MCA327

Subject: Distributed DBMS

Time: 3Hours

Maximum Marks: 60

Note: Q.1 is compulsory and attempt one question from each unit.

- Q.1** (a) What is distributed locking? What are its advantages and disadvantages?
(b) What do you mean by fragment of a relation? Why is fragmentation a useful concept in distributed databases?
(c) What is open database connectivity?
(d) What is meant by cold start in distributed database?

UNIT-1

- Q.2** (a) Describe different Optimization Technique in Oracle.
(b) What is meant by distributed query processing?
- Q.3** (a) What is data fragmentation? Why is it useful in distributed database?
(b) Mention the difference between Simple and Complex snap shots.

UNIT-2

- Q.4** (a) What do you mean by deadlock in distributed database management system?
(b) Write about advantage and disadvantage of distributed database.
- Q.5** What are centralized and distributed deadlock detection methods?

UNIT-3

- Q.6** (a) What is distributed SQL statement?
(b) "Handling multisite transaction requires the use of two phase Commits Protocol", justify this statement with suitable arguments.
- Q.7** (a) What is transparency? Also, mention the different types of transparencies.
(b) What do you mean by database administration? Write in brief about the following:-
(i) Enterprise Manager
(ii) Third Party Administration Tools.
(iii) Simple Network Management Protocol (SNMP)

UNIT-4

- Q.8** (a) Differentiate between heterogeneous and homogeneous distributed database system.
(b) What is meant by database link?
- Q.9** (a) How will you eliminate unnecessary data duplication in distributed database management system?
(b) Describe client/server architecture of distributed database management system.

