

T.E. sem 6 (Rev.)
I.T.

Con. 3094-08.

Database Systems

(REVISED COURSE)

(3 Hours)

28/5/08

CO-2989

[Total Marks : 100

N.B. (1) Question.No. 1 is **compulsory**.

(2) Attempt any **four** questions out of remaining **six** questions.

1. (a) Draw the Typical Database Architecture and explain in detail. 10
(b) What is Entity-Relationship Model ? Explain E-R diagram. 10
2. (a) Write structure of Relational Databases. Explain Relational Algebra Operations. 10
(b) Explain SQL Features. 10
3. (a) Explain type of Constraints with an example. 10
(b) Explain Security and Authorization in SQL. 10
4. (a) Explain normalization with an example. 10
(b) Explain Serializability with an example. 10
5. (a) Explain Concurrency Control in Database System with the help of any two protocols. 10
(b) Explain different types of Recovery system. 10
6. (a) Explain Transaction Processing in Database System. 10
(b) Explain Deadlock Handling in database system. 10
7. Write short notes :— 20
 - (a) OODBMS
 - (b) ORDBMS
 - (c) Extended Entity Relationship Diagram
 - (d) SQL3.

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