

Subject Code: D5810

M.Tech. - II Semester [R09] Regular/Supplementary Examinations, October - 2012

SECURED DATABASE APPLICATION DEVELOPMENT

(Comm to CS,CS&E and CN&IS)

Time: 3 Hours

Max Marks: 60

**Answer any FIVE questions
All questions carry EQUAL marks**

1. a. With a neat diagram, explain the information security architecture in detail?
b. Define security? Describe the information system and its components?
2. a. List and explain different Authentication methods in detail?
b. Describe vulnerabilities of operating system in detail?
3. a. Outline the risks of database links?
b. Explain the steps for Creating/modifying/removing users in OS?
4. What is the process involved in granting and revoking user privileges, explain?
5. With the help of example show how data encryption method is used in providing database security?
6. a. Define VPD? How VPD is implemented using views, explain?
b. Explain the implementation of row and column level security with SQL server?
7. a. List the objectives of database auditing?
b. What are the benefits and side-effects of auditing?
8. a. With a case study, explain the development of an online database?
b. Briefly explain auditing database activities with Oracle?

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