Suryadatta Education Foundation’s

Suryadatta Institutes of Management, Pune -21

Assignment 5

Class : MCA I Year II Semester Academic Year 2023-2024 Subject: IT 24 Advanced Database

1. What is Distributed Database? Explain types of DDBMS.
2. What is Fragmentation? Explain types of fragmentation.
3. What is 2PC? Explain 2PC and its failure in detail.
4. What is OODBMS? Explain its characteristics.
5. What is spatial data? Explain spatial indexing
6. What is recovery? Explain shadow paging.
7. Explain types of log based recovery.
8. What is encryption? Explain public key infrastructure.
9. Write short notes on
   1. 3PC
   2. Data Transparency
   3. NO-SQL databases
   4. Mandatory Access Control
   5. Role-based access control
   6. Checkpoints
   7. Recovery & Atomicity
   8. Backup

**Submission Date:**

**Prof. Anagha Sawant**

**Subject-Teacher**