

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E/B.Tech – CSE/IT (Dual CSE) /IT (Part Time)

Title of the paper: Database Management System

Semester: V/IV

Max. Marks: 80

Sub.Code: 312506/11506/12506(2004/2005) 6C0100/6CPT0012

Time: 3 Hours

Date: 18-11-2008

Session: FN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. Discuss the various advantages of Database management system.
2. What is Referential Integrity?
3. Define (a) Primary Key
(b) Super Key
4. Define Query Optimization.
5. What is the need of Normalization?
6. Define Concurrency control.
7. Compare DBMS and Data Mining.
8. Explain briefly about DDL & DML.
9. Describe the applications of Association rule Mining.
10. State Apriori algorithm.

PART – B
Answer All the Questions

(5 x 12 = 60)

11. With help of Block Diagram, explain the Basic architecture of Database management system.
(or)
12. Write Short notes on
 - (a) Mapping Constraints with example
 - (b) E-R Diagram with Example.
13. Explain about the operations using Relational Algebra with example.
(or)
14. Explain in detail about Structured Query Language.
15. Discuss in detail about Distributed Data Base System.
(or)
16. Discuss in detail about Two Phase Locking Protocol.
17. Explain in detail about temporal Databases.
(or)
18. Explain in detail about multimedia Databases.
19. With help of Block Diagram, explain the Basic architecture of a typical Data Warehouse.
(or)
20. Discuss in detail about the Object Oriented Data Base Management system.