

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E/B. Tech – CSE/IT

Title of the paper: Database Management System

Semester: V

Max. Marks: 80

Sub.Code: 11506(2002/2004/2005)/12506(2002/2003/2004/2005)

Time: 3 Hours

Date: 02-05-2008

Session: AN

PART – A

(10 x 2 = 20)

Answer All the Questions

1. What is a Data Model?
2. With an example explain participation constraint?
3. Give one example for Equijoin and Condition join.
4. Name any four commercial query language.
5. What is heterogeneous distributed database?
6. What are the various authorization granted to users to modify the database design.
7. What is stratification?
8. Explain Video-on-demand.
9. What is the significance of classification?
10. Give any two applications of a data warehouse.

PART – B
Answer All the Questions

(5 x 12 = 60)

11. Draw the E-R diagram for banking software.
(or)
12. Discuss any two file indexing techniques.
13. Give a detailed account on Normalization.
(or)
14. Explain Tuple relational calculus and Domain relational calculus with query examples.
15. Explain concurrency control without locking.
(or)
16. Explain how transactions are processed in a Distributed database.
17. Give a brief account on parallel databases.
(or)
18. Compare and Contrast Hierarchical and network database models
19. Discuss in detail about Mining for rules techniques.
(or)
20. How can you convert a Relational Database to a object oriented database.

