SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

Course & Branch: B.E/B.Tech – CSE/IT (Dual CSE)
Title of the paper: Database Management System
Semester: V   Max.Marks: 80
Sub.Code: 411506-412506-511506-512506-6C0100   Time: 3 Hours
Date: 02-05-2009   Session: AN

PART – A   (10 x 2 = 20)
Answer All the Questions

1. Define: DBA

2. Draw an ER diagram with multivalued attributes.

3. What is nonprocedural language? Give example.

4. Write the role of normalization in the database design.

5. Describe the usage of rollback.

6. Write the different techniques that are used during the process of distributed database design.

7. What is meant by skew?

8. Write short notes on network model.

9. What is super class? Give one example.

10. Write the association rules in data mining.

Answer All the Questions

11. List out various secondary storage devices and explain any two.

(or)

12. (a) Write short notes on data independence and its type.
    (b) Draw a neat sketch and explain the three-schema architecture.

13. How do functional dependencies play a key role in differentiating good database design from bad database designs? Explain.

(or)

14. Explain the fundamental operations in relational algebra with example.

15. List out various locks in concurrency control. Explain each type with example.

(or)

16. Discuss the various issues of database security in detail.

17. Explain some common relational operations in intraoperation parallelism.

(or)

18. Explain multimedia database.

19. Discuss the various type constructors. How are they used to create complex object structures?

(or)

20. Write short notes on
    (a) Data mining
    (b) Data warehousing