

SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act,1956)

Course & Branch :B.E/B.Tech - CSE/DCS/IT/P-IT

Title of the Paper :Database Management Systems Max. Marks :80

Sub. Code :511506/512506/6C0100/6CPT0012 Time : 3 Hours

Date :30/04/2010

Session :AN

PART - A

(10 x 2 = 20)

Answer ALL the Questions

1. What do you mean by Data model?
2. Differentiate Records and Files.
3. Why Normalization of relation is done?
4. What are the commercial Query Languages?
5. How to recover databases from crashes?
6. What do you mean by Database authentication?
7. What is the difference between Hierarchical and Network Model?
8. What are Temporal Databases?
9. How do you represent a relation in Object Oriented databases?
10. Differentiate classification and Prediction.

PART – B

Answer ALL the Questions

11. Explain the Database system architecture with a neat diagram.
(or)
12. Describe the various Indexing techniques used in File structures.
13. Describe the various Relational Algebra operators with example.
(or)
14. Explain First three normal forms with a single example.
15. Explain the concept of Concurrency control.
(or)
16. Describe the principle behind Distributed Databases
17. Explain the parallel databases; how are they accessed?
(or)
18. Explain the Network Data model with a diagram.
19. Describe the Data Mining Principles and applications.
(or)
20. Write short notes on
 - (a) Data warehousing
 - (b) Object Oriented Data bases