

Roll No.

Subject Code—8194-X

M.B.A. EXAMINATION

(Third Semester)

(Re-appear Batch 2009 Onwards)

DATABASE MANAGEMENT SYSTEM

ITM-321

Time : 3 Hours

Maximum Marks : 70

Section A

Note : Attempt any *Seven* questions. **7×5=35**

1. Define primary key, alternate key and secondary key.
2. Differentiate between File Processing Approach and Database System.
3. Briefly discuss various properties of a transaction.

4. Explain Multivalued Functional Dependency.
5. Explain Query languages for DBMS.
6. Describe Object Oriented Database Management Systems.
7. Discuss functional dependency in detail.
8. What are various performance criteria related to Database Management ?
9. Describe the basic factor of internal database model and discuss their importance to end users and designers.
10. Explain Where and group by clause in SQL.

Section B

Note : Attempt all the questions.

11. Compare and contrast traditional file processing environment database system. Discuss advantages and disadvantages of each approach.

Or

- (a) Explain three tier architecture of DBMS.
- (b) Explain tradeoffs among cost, capacity and responsiveness. 12

12. Explain file processing and access methods.

Or

Explain Distributed Database Systems and Online Databases. What are various managerial issues related to successful implementation of Distributed Systems ? 12

13. What is Normalization ? Why is it required ? Discuss its various forms.

Or

Explain Recovery issues and reorganization problems in detail. 11