M06303

THIRD SEMESTER MCA DEGREE EXAMINATION, JUNE 2006 DATABASE MANAGEMENT SYSTEM -MCA2K303

Time-3 hours

Maximum Marks-100

Answer any five questions. All carry EQUAL marks.

- la. Explain about the advantages of a DBMS over a file processing system.
- b. Explain about ER model in detail.
- 2a. Explain about EER model in detail.
 - b. Write a note on database languages and interfaces.
- 3a. Explain about various secondary storage devices in detail.
- b. Explain about B-Trees in detail.
- 4a. Explain about various functional dependencies in detail.
- Explain about 3NF,BCNF and 4NF in detail.
- 5a. Explain about additional relational algebra operations in detail.
 - b. Explain about various operations in SQL.
- 6a. Explain about the desirable properties of transactions with examples.
- b. Explain about various lock-based protocols for concurrency control.
- 7. Explain about various database recovery techniques in detail.

