

ADVANCED DBMS – MCS-22

Theory Paper – 100 Marks

Sessional – 50 Marks

Overview of Database Management, Conceptual Database Design, Logical Database Design, Physical Database Design, Query Processing, Transaction processing, Crash recovery, Concurrency control, , Distributed Database, client/server database. Integrity security and repositories. Emerging Database trends, Design and database administration skills based on near-real life applications.

BOOKS:

1. Fundamentals of Database Systems (IIInd ed.) R.Elmasri, S. Navathe, Benjamin Cummings, 1994.
2. An introduction to Data Base systems, Volume I (V th Ed.) , C.J.Date, Addison Wesley 1994.
3. Principles of Database Systems (IIInd ed.) J.D.Ullman, Galotia Pub. 1994.
4. Client/server Strategies, Vaakevitch David, Galotia Pub. 1990.