

Code: 06MC301

MCA - III Semester Supplementary Examinations, January 2013

DATABASE MANAGEMENT SYSTEMS

(For students admitted in 2007 & 2008 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Explain about data abstraction.
(b) Explain about query processor.
(c) Explain about transaction management.

- 2 (a) Explain how a table is destroyed or altered with example queries.
(b) Explain how selection and projection set operations are done.
(c) Briefly explain about different types of joins.

- 3 (a) Explain about SQL queries.
(b) Explain about logical connectivity.
(c) Explain about outer joins with examples.

- 4 (a) What is schema refinement?
(b) Explain about the problems caused by redundancy.
(c) Explain about triggers.

- 5 (a) Explain about scheduling in transaction management.
(b) Explain about lock based concurrency control.

- 6 (a) What is a dead lock? Explain locking techniques.
(b) Give an overview about write-ahead log protocol.

- 7 (a) Explain about cluster indexing.
(b) Explain tree based indexing.

- 8 (a) Explain about tree structured indexing.
(b) Differentiate extendable vs linear hashing.
