

Code: 9F00301

MCA - III Semester Regular & Supplementary Examinations, January 2013

DATABASE MANAGEMENT SYSTEMS

(For students admitted in 2009, 2010 & 2011 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Define database.
(b) What is the importance of database design?
(c) What are the differences between file system and database system?
- 2 (a) Explain about university database.
(b) Explain about different types of relationships.
- 3 (a) Explain about integrity rules.
(b) Explain about data dictionary.
(c) Discuss about Codd's relational database rules.
- 4 (a) What are DDL and DML command with example?
(b) What are different types of join command explain with examples?
- 5 (a) Explain about necessity of normalization.
(b) Explain about multivalued dependencies in fourth normal form.
- 6 (a) What is transaction? What are the properties of transaction?
(b) Explain about serializability and view serialiability.
- 7 (a) Explain about ARIES recovery algorithm.
(b) Explain about RAID.
- 8 (a) Explain about ordered indexing.
(b) Explain about bit map indices.
