

Code: 9A05401

B. Tech II Year II Semester (R09) Supplementary Examinations, November/December 2012

**DATABASE MANAGEMENT SYSTEMS**

(Common to CSS, IT &amp; CSE)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) List out different databases and explain.  
(b) Explain basic building blocks of data model.
- 2 (a) What is an entity? Explain about the types of entities with diagrams.  
(b) Define primary key. When does a composite primary key used?
- 3 (a) What is join operator? Explain about all types of joins with examples.  
(b) Explain the concept of data redundancy.
- 4 (a) Explain how to order a list in advanced select query and how to list the unique values in them.  
(b) What is a stored procedure? Explain with example.
- 5 What is normalization? Explain the process of normalization with suitable examples.
- 6 Explain about:  
(a) Lock granularity.  
(b) Lock types.  
(c) Phase locking.
- 7 Explain about the following:  
(a) Immediate database recovery.  
(b) Restart recovery.  
(c) ARIES.
- 8 Write the advantages of following terms:  
(a) Data dictionary  
(b) ISAM.  
(c) B-Tree indexes.  
(d) Hashing.

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