

Code: R7410302

R7

IV B.Tech I Semester (R07) Supplementary Examinations, May 2012
DATABASE MANAGEMENT SYSTEMS
(Common to Mechanical Engineering and Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. (a) What are the applications of database systems?
(b) Explain about schemas.
(c) What are functions of database administrator?
2. (a) Explain about ER diagrams.
(b) Explain about relationships and relationship sets.
3. (a) Explain about Tuple relational calculus.
(b) Explain about different types of joins.
4. (a) Explain about BCNF.
(b) Explain about fourth normal forms.
5. Explain about first, second and third normal forms.
6. (a) What are transaction properties?
(b) Explain of serializability and view serializability.
7. (a) Explain about ARIES algorithm.
(b) Discuss about remote backup systems.
8. (a) Explain about hash based indexing.
(b) Explain about tree based indexing.
