

B.Tech IV Year II Semester (R09) Supplementary Examinations April 2017

DATABASE MANAGEMENT SYSTEMS

(Electronics and Control Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

- 1 (a) Explain file system with example.
(b) Differentiate between relation model and entity relation model.
- 2 (a) What are the challenges in data base design? Explain.
(b) Define the terms entity super types and sub types with examples.
- 3 (a) Explain how the CODD's relational rules are implemented in relational database.
(b) What is the difference between a data base and a table? Explain.
- 4 Explain in detail about advanced select queries with examples.
- 5 Define Multivalued dependency. Explain 4NF with an example.
- 6 (a) Explain about the concurrency control using locking methods.
(b) What are ACID properties? Explain.
- 7 (a) Explain about the remote backup system.
(b) Explain about concept of the buffer management in detail.
- 8 Explain about B+ Trees file organization in detail.
