

# Database Management System

## Session 2013-16

1. What do you mean by Relational Data Base Management System? What are the components of RDBMS? Explain.
2. What do you understand by architecture in DBMS? Explain the three levels of architecture.
3. What is Join? Why do you need join? Describe the difference between Equi joins and Natural Joins.
4. What is an E-R diagram? Construct an E-R diagram for a retail store, making your own assumption.
5. Explain the following with suitable examples:
6. What do you mean by indexing & hashing? What are the differences between static and dynamic hashing? Explain the advantage & disadvantage of static hashing.
7. What is Normal form? What is the different Normal Form? Discuss about the Boyce-Codd Normal Form (BCNF).
8. Discuss the various security measures at several level used to protect the database.
9. What is a select Operation? How is it represented? Explain with example.
10. Write shorts notes on any two of the followings:
  1. Database models
  2. Entity set
  3. SQL
  4. Aggregation
  5. B-tree index