



Model Paper – II
Examination-2016
BCA II

Database Management System

Time: 3 Hrs.

MM:100

I) Very Short Answer Questions (each carrying 1 marks) 2*10=20

- Q1. What do you mean by tuple in a relational model?
- Q2. Differentiate between weak and strong entity set.
- Q3. What do you mean by data manipulation? Explain.
- Q4. What is group by function?
- Q5. What is data abstraction?
- Q6. Define union operation of relational model.
- Q7. What is partial functional dependency? In which normalization form it is removed?
- Q8. What is the difference between DDL and DML?
- Q9. What is the use of like operator in SQL?
- Q10. What do you mean by data integrity?

II) Short Answer Questions (each carrying 4 marks) 4*5=20

- Q1. What is the concept of data modeling? What are different data models?
- Q2. How redundancy of data effect data integrity?
- Q3. Explain different keys in DBMS.
- Q4. Describe ANSI/SPARC architecture in detail.
- Q5. Write various aggregate functions of SQL.

III) Long Answer Questions (each carrying 12 marks) 12*5=60

- Q1. What are integrity constraints? Explain different types of integrity constraints in detail with suitable examples.
- Q2. Define relational database. What are 12 rules for RDBMS?
- Q3. What is distributed data base? Why a database is distributed? How a database can be distributed? Explain its techniques.
- Q4. What do you mean by joins? Why they are used? Explain its types in detail with suitable examples.

Q5. What is database recovery? Explain the techniques of database recovery in detail.