

MARWARI COLLEGE RANCHI

Subject : Fundamentals of Database Management System

Full Marks : 30

Paper : XV

Time : 1Hr.

MCA SEMESTER 3

Mid semester examination 2015

1. Fill in the blanks: 1 x 10 = 10
 - a. The relationship between DEPARTMENT and EMPLOYEE is
 - b. A set of related data is called.....
 - c. Ais a software that is used to manage data.
 - d. Ais used to insert, delete, modify, and view data from a database.
 - e. is the field which uniquely picks up a record from the table.
 - f. command is used to remove records from a table.
 - g. RDBMS stands for
 - h. The SQL command to see the structure of a database is
 - i. In database system, relationship exists between multiple tables.
 - j. shows the relationship between different entities.
2. Answer any **TWO** questions: 5 x 2 = 10
 - a. What is DBMS? Discuss the different types of users of DBMS.
 - b. Discuss the architecture of DBMS.
 - c. What is foreign key? Explain Referential integrity.
 - d. Explain Normalization?
3. Answer any **ONE** question: 10 x 1 = 10
 - a. What are the differences between DDL, DML, and DCL?
 - b. Write SQL commands for the following:
 - i. To make a table employee containing fields e-id, name, doj, and dept.
 - ii. Inserting a record into it.
 - iii. Display employee ids and names of employees working in computer science department.
 - iv. Arrange the employee table in ascending order of dept and name.
 - v. To modify the table by introducing a new column salary.