

May 2009

Bachelor of Computer Application (BCA) Examination
IV Semester (Autonomous)

Database Management system

Time : 3 Hours]

[Max. Marks : 50

Note- Answer any five questions. All questions carry equal marks.

1. (a) What do you mean by DBMS and how it is different from RDBMS?
(b) Discuss the various Data Models in detail.
2. What is Entity Relationship diagram? Discuss its various ER notations and draw the ER diagram for an Education at Institute.
3. (a) Explain the following terms with examples-
(i) DDL (ii) DML (iii) DCL (iv) Nested Queries (v) TCL
(b) What do you mean by Normalisation why it is important in DBMS?
4. (a) Describe the concept of functional dependency. How is this associated with the process of normalization?
(b) Describe the problems that are associated with redundant data. Can data redundancies be eliminated when the database approach is used? Why or why not?
5. (a) What is the difference among "dropping a table", "truncating a table" and "deleting all records" from a table explain?
(b) What do you mean by Inner Join. Outer Join. Left and Right Outer Join along with the examples?
6. Write in detail about the RDBMS along with its uniqueness and pitfalls.
7. Write the short notes on any three of the following-
(a) Indexes (b) Triggers (c) Constraints
(d) Aggregate (d) Weak Entity.
8. Write the query for the followings-
(a) Removing the duplicate records from a table.
(b) To find the distinct records from a table.
(c) To count the number of records from a table.
(d) To count the number of distinct records from a table.
(e) To copy structure of a table.

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