

Subject: Database Management Systems (PS01CMCA33)

1. **Define:** Data, Entity, Attribute, Data type, Information, Database, DBMS, RDBMS, Primary Key, Foreign Key
2. List any two entities with at least three attributes of them.
3. Difference between DBMS & RDBMS.
4. List ER Diagram notation. List the steps to create an ER diagram. Draw an ER Diagram of following definition: In a university, a Student enrolls in Courses (Subjects). A student must be assigned to at least one or more Courses (Subjects). Each course (Subject) is taught by a single Professor. To maintain instruction quality, a Professor can deliver only one course.
5. Give at least three examples of 1:1, 1: M & M: M relationship.
6. **Give an example of each of following terms.**
Simple attribute, Composite Attribute, Single-valued attribute, Multi-valued attribute, stored attribute & Derived attribute.
7. List various data types in oracle. Write the difference between char and varchar data type.
8. List DDL, DML & DCL Statements.
9. Write the syntax of CREATE, INSERT & UPDATE command.
10. Explain various database constraints.