

Gujarat University
Department of Computer and Science
RDBMS
Assignment - 1

1. Define a Data Model. Define logical, physical, and conceptual data models with examples.
2. Explain the Three-Level Architecture of DBMS (ANSI-SPARC).
3. Describe the Overall DBMS Architecture and its importance.
4. List and explain the various components of a DBMS.
5. Differentiate between ER diagram and Enhanced ER (EER) diagram with examples.
6. Draw an ER diagram for a University Database (Students, Courses, Professors, Departments) and extend it into an EER diagram using specialization, generalization, and aggregation.
7. Using the Three-Level Architecture, describe how the University Database will be represented at external, conceptual, and internal levels.
8. Construct an EER diagram for a Hospital Management System (Patients, Doctors, Nurses, Wards, Treatments, Bills) including subclasses, categories, and aggregation.