

# AMCS-23 RDBMS

## UNIT-1 BASIC CONCEPTS OF DBMS

- 1.1 Database terms
- 1.2 Components of a DBMS
- 1.3 Data abstraction
- 1.4 DBMS system architecture types:

## UNIT-2 RELATIONAL DATABASE APPROACH

- 1.1 Relational data structure
- 1.2 Table
- 1.3 E-R model & Normalization
- 1.4 Normalization

## UNIT-3 STRUCTURED QUERY LANGUAGE

- 3.1 Data Definition Language
- 3.2 SQL Commands
- 3.3 Functions and Operators
- 3.4 Transaction control statements

## UNIT-4 PL/SQL

- 4.1 Control statements
- 4.2 Cursors
- 4.3 Exceptions
- 4.4 PL/SQL tables and records

## UNIT-5 ENHANCED DATABASE MODELS

- 5.1 Characteristics, functioning and architecture of Data Warehousing
- 5.2 Data modeling
- 5.3 Data Clustering
- 5.4 Applications of Data mining problem

### Reference Books:

1. Database Management System by Date ,C.J., Galgotia Publications
2. Fundamentals of Database System by Elmasri, R.A.,Navathe, Shyam B. Narosa Publishing House.
3. Database Management System by Post, Gerald V, Tata McGraw-Hill, 2004
4. An introduction to Database Systems by Bipin C Desai, Galgotia Publications ( P) Ltd., 2005