

BCA/D-18

FUNDAMENTALS OF DATABASE SYSTEM

BCA-235

- 1.(a) Define Data, Tuple, Domain, Attribute.
- (b) Define Data Independence.
- (c) Define Relationships and types of Relationships.
- (d) Define Primary Key and Secondary Key with example.

UNIT-I

2. Define Database, its basic elements and objectives of Database system.
- 3.(a) Discuss role of DBA with its duties and working.
- (b) What is DBMS, discuss its functions.

UNIT-II

4.Explain physical model of Database with its three levels and mappings.

5.(a)Explain schema.Draw a sample with its subschema.

(b)Write note on Centralized and Client Server architecture of database.

UNIT-III

6.(a)Define Entity,its types.

(b)Discuss ER diagram for a flight-passenger system.

7.(a)Discuss object based Data models.

(b)Discuss Physical Data Model and Conceptual Model.

UNIT-IV

8.Explain data model based on 1:M association.Discuss its problems and solutions.

9.(a)Make relational model with its operations.

(b)Discuss Integrity constraints.