

**INDEX****UNIT I****Chapter 1 : Basics of Database and Architecture****1-1 to 1-29**

Syllabus : Introduction : Data, Database and its purpose, Characteristics of the database, file system vs. database approach, Different types of Database, Advantages and disadvantages of database systems., **Concepts of database :** Components of database – Hardware, Software, People, Procedure. Database Product, Data abstraction, Database languages – Data Definition Language (DDL), Data Manipulation Language (DML), Data Control Language (DCL), Data independence – Logical and Physical Independence, Data integrity., **Architecture of database :** Three Level Architecture for a Database System – Database (Data) Tier, Application (Middle) Tier and User (Presentation) Tier.

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