

Question Bank (I scheme)

Name of Subject: Principles of Database (POD)

Unit Test: I

Subject Code: 22321

Course: IF3I

Semester: III

Chapter 1-Basics of Database and Architecture (40 marks)

2 Marks

1. Define Data and Information.
2. State any four characteristics of Database.
3. Write any four applications of Database.
4. List any four Database products.
5. State difference between drop and delete commands. (Min. 2 points)
6. Write use of Grant and Revoke commands with their syntax.

4 Marks

1. Differentiate between File-based system and Database approach.
2. Explain any four advantages of DBMS over file processing system.
3. Explain different operations performed with Data Definition Language.
4. Describe data abstraction with neat diagram.
5. Explain Logical and Physical Independence of data with example.
6. Explain Data Integrity concept with example.
7. Explain three tier architecture of database system with suitable diagram.

Chapter 2-Data Models and Database Types (40 marks)

2 Marks

1. Define the term Data Model.
2. Define the term Domain and Attribute.
3. List any four data models.
4. Write any two advantages of Distributed Database System.
5. Distinguish between the Distributed databases systems with Client / Server Database System.(Min. 2 points)
6. List any four properties of relation.

4 Marks

1. Explain the Network Database Model with example.
2. Explain the Object Oriented Database Model with example.
3. Compare Network model and Hierarchical model. (Min. 4 points)
4. Draw the Network Model and Hierarchical Model for Library Management System whose entities are : Book(book_id,name,author),Member(member_id ,name,class), Transaction (transaction_id,book_id,member_id).
5. Describe Centralized Database System with example.
6. Describe Distributed Database System with example.