



INSTRUCTION: Answer All Questions

COURSE TITLE: DATABASE MANAGEMENT SYSTEMS

1. Define the following terms:
(A) Data (B) Database (C) Database Management System
2. List five (5) benefits of a Database
3. Mention four classes of Databases
4. What is the primary objective of a Database Management System?
5. What is an Entity Relationship Diagram (ERD)? List three (3) typical use cases of an ERD?
6. What do you understand by Data Modelling?
7. List and briefly describe three (3) components of an ERD?
8. What is a Database Model? List four (4) types of Database models
9. Define the following terms in relation to a Relational Database Model:
(A) Tuple (B) Cardinality of a Relation (C) Degree of a Relation
10. Which of the following is NOT an example of Relational Databases?
(A) MySQL (B) OracleDB2 (C) PostgreSQL (D) DB2
11. The Hierarchical database model is better than the Network model in isolating the programs from the complex physical storage details. TRUE or FALSE?
12. One of the disadvantages of a Relational Database model is that Data integrity is difficult to ensure with Relational databases. TRUE or FALSE?
13. One of these is NOT an example of a Graphic-Oriented database?
(A) Computer-Aided Database (B) Computer-Aided Design (C) Computer-Aided Learning
14. One of these is Odd in relation to a Relational Database:
(A) Tuple (B) Local key (C) Row (D) Foreign key
15. Give the full meaning of the following abbreviations:
(A) SQL (B) RDBMS (C) CAI (D) IOCS