

- Q-2 Attempt any ten. [20]
1. Define: Tuple, Database
 2. Draw three level architecture of DBMS.
 3. List down integrity constraint.
 4. Explain order by clause in brief.
 5. Explain SQL PLUS command START in brief.
 6. List DDL commands.
 7. Explain SYSDATE pseudo column in brief.
 8. Explain use of LIKE operator for Pattern matching.
 9. Explain set operator UNION in brief.
 10. Define: Synonym, View
 11. Explain report command BREAK ON in brief.
 12. Explain GRANT command in brief.

- Q-3
- (A) List Codd rules. Explain any four of them. [6]
- (B) Write note on: Entity – Relationship modeling [4]

OR

- Q-3
- (A) Explain relational and network data model with example. [6]
- (B) List and explain types of relationships exist among entities with appropriate example. [4]

- Q-4
- (A) Explain INSERT statement with syntax and example. [6]
- (B) Explain advantages of SQL in brief. [4]

OR

- Q-4
- (A) Explain CREATE TABLE and DELETE statement with syntax and example. [6]
- (B) List and explain various basic data types used in oracle. [4]

- Q-5
- (A) Explain PRIMARY KEY and CHECK constraint in detail with syntax and appropriate example. [6]
- (B) Explain UPPER and SUM functions with syntax and appropriate example. [4]

OR

- Q-5
- (A) Explain FOREIGN KEY and NOT NULL constraint in detail with syntax and appropriate example. [6]
- (B) Explain SQRT and MONTHS_BETWEEN functions with syntax and appropriate example. [4]

- Q-6 Define Index. List and explain various types of index with syntax and appropriate example. [10]

OR

- Q-6 List and explain various types of join with syntax and appropriate example. [10]

