



- Q-2** Attempt any ten. **[20]**
1. Define: Attribute, Schema
  2. Explain Integrity constraint in brief.
  3. Define DDL. Give two examples of it.
  4. Explain order by clause in brief.
  5. Explain SQL PLUS command START in brief.
  6. Explain any two basic data types used in oracle in brief.
  7. Explain ROWNUM pseudo column in brief.
  8. Explain use of LIKE operator for Pattern matching.
  9. Explain NVL function with syntax and example.
  10. Explain GROUP BY clause in brief.
  11. Explain report command SPOOL in brief.
  12. Explain referencing a sequence with the example.

- Q-3**
- (A) Explain Hierarchical and Relational data models in detail. **[6]**
- (B) List and explain types of relationships exist among entities in brief. **[4]**

**OR**

- Q-3**
- (A) List and explain Codd rules. **[6]**
- (B) Draw and explain three level architecture of DBMS in brief. **[4]**

- Q-4**
- (A) Explain CREATE TABLE statement with syntax and example. **[5]**
- (B) Explain INSERT statement with syntax and example. **[5]**

**OR**

- Q-4**
- (A) Explain ALTER statement with syntax and example. **[5]**
- (B) Explain UPDATE statement with syntax and example. **[5]**

- Q-5**
- (A) Explain CHECK and NOT NULL constraint with syntax and suitable example. **[6]**
- (B) Explain ADD\_MONTHS and MAX function with syntax and example. **[4]**

**OR**

- Q-5**
- (A) Explain PRIMARY KEY and DEFAULT constraint in detail with syntax and suitable example. **[6]**
- (B) Explain SUBSTR and POWER function with syntax and example. **[4]**

- Q-6** List and explain different types of Joins with syntax and example. **[10]**

**OR**

- Q-6** What is Index? State benefits of Index. List and explain various types of indexes with syntax and example. **[10]**