

## Question Bank (G scheme)

**Name of subject: Relational Database Management System (RDM) Unit Test:II**

**Subject Code: 17332**

**Course: CM3G/IF**

**Semester: III**

### **CHAPTER 3- Interactive SQL (26 marks)**

#### **3 marks**

1. What is transaction? Explain ACID properties of transaction.
2. Draw and explain state diagram of transaction.
3. Explain concurrent execution of transaction.

#### **4 marks**

4. Explain Alter table command. Demonstrate with any two examples.
5. Consider the following structure for EMPLOYEE.
6. EMP (EMPNO, ENAME, JOB, MGR, JOINDATE, SALARY, COMM, DEPTNO)

Write the SQL Queries for the following.

- a) Display the list of Employees excluding JOB titles "Salesman".
  - b) Delete employee "Rakes" from table
  - c) Change the name of Employee "Rahul Gosai" to "Jigger Dave".
  - d) Display Employee Names having 2nd alphabet in the name as "A".
7. Explain any four aggregate functions with example.
  8. Explain any four string functions with example.
  9. Explain group by, having, order by clause of SQL with examples.
  10. Describe grant and revoke commands with example.

### **CHAPTER 4-Advance SQL: SQL Performance tuning (12 marks)**

#### **3 marks**

11. What is index? List its types.
12. Consider following schema

ACCOUNT\_HOLDER (account\_no, name, account\_type, PAN\_Number, balance)

Give view on ACCOUNT\_HOLDER having attributes (account\_no, name, PAN\_Number) when

Balance is greater than 50000.

**4 marks**

13. What are views? Explain with syntax and example
14. What are sequences? Why it is used? Create sequence for "STUDENT" table.
15. What are snapshots? Give its uses? How to create snapshots?
16. What are synonyms? How to create synonyms?

**CHAPTER 5 -PL/SQL, Database Objects & Security (24 marks)**

**3 marks**

17. What are the locks? Give its importance. Explain its types.
18. Explain while loop in PL/SQL with example.

**4 marks**

19. Explain block structure of PL/SQL.
20. Write PL/SQL program to display factorial of any number.
21. Explain predefined exceptions and user defined exceptions.
22. Explain function in PL/SQL with suitable example.
23. Explain procedure in PL/SQL with suitable example.
24. What are triggers? How to create triggers?
25. What is cursor? Explain its types?