GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING (Autonomous)
(Approved by AICTE, Affiliated to JNTU-K, Kakinada)
Madhurawada, Visakhapatnam–530 048
Department of Computer Science and Engineering
Database Management Systems LAB
B.Tech. II Year III Sem (CSE-3)
External Lab Exam

1. a. Explain the DDL command (create, alter, drop, desc) and DML commands (delete, update) with sample queries.

b. Demonstrate procedures in PL/SQL with sample program.

2. a. Create a table with integrity constraints (primary key, not null, unique) and demonstrate insert command for different integrity constraints with sample queries.

b. Demonstrate cross join, natural inner join, natural left outer join, natural right outer join and natural full outer join with sample queries.

3. a. Create a table with Referential integrity constraints (foreign key) and demonstrate select command for different constraints (all, distinct, like, between, is null, is not null)

b. Demonstrate functions in PL/SQL with sample program.

4. a. Explain the aggregate functions (avg, sum, max, min, count) and demonstrate order by, group by, having clause with sample queries

b. Demonstrate implicit cursors in PL/SQL with sample programs.

5. a. Explain the following numeric functions:

(i)abs (ii)pow (iii)round (iv)sqrt (v)floor (vi)ceil

b. Create a view and perform insert, delete, update, desc & drop commands on views

6. a. Explain the following string functions:

(i)ltrim (ii)rtrim (iii)trim (iv)lpad (v)rpad (vi)initcap

b. Demonstrate pre-defined exceptions in PL/SQL with sample programs.

7. a. Explain the following Date functions:

(i)add_months (ii)months_between (iii)next_day (iv)last_day (v)round

b. Demonstrate triggers in PL/SQL with sample program.

8. a. Explain the following conversion functions:

(i)to_number (ii)to_char (iii)to_date

b. Demonstrate explicit cursors in PL/SQL with sample programs.

9. a. Explain Transaction Control commands (rollback, savepoint, commit) with sample queries

b. Demonstrate user defined exceptions in PL/SQL with sample programs.

10. a. Demonstrate select command for logical operators in where clause (and, or, not) and set operations (union, union all, intersect)

b. Create a view and perform join operations on views

11. a. Explain how sub query is used in select, delete, insert, update statement, from clause and where clause (in, not in, all, some, exists, not exists)

b. Demonstrate recursive function in PL/SQL with sample program.

INTERNAL EXAMINER **EXTERNAL EXAMINER**