

2/3 MCA First Semester

CA3L2

DATABASE MANGEMENT LAB

Credits : 2

Lab Hours : 4 periods / week

Internal assessment : 25 Marks

Semester and Examination: 50 Marks

1. Introduction to SQL, an exercise on data types in SQL & Data Definition Language Commands
2. Exercise on Data Manipulation Language and transaction control commands
3. Exercise on Types of Data Constraints.
4. Exercise on Joins (single-table or multi-table) and using normalization.
5. Exercise on group-by clause and date arithmetic.
6. Exercise on different functions (aggregate, math and string)
7. Exercise on different types of sub queries
8. Introduction to PL/SQL, Control Structures, Procedures and Functions, view.
9. Introduction to triggers and cursors.
10. Write a program that creates the function and calculating area of circle.
11. Write a program that uses the concept of user defined exception.
12. Miniproject on designing and implementing one database management system.