# Discrete Structure Practical questions

| SN | Lab Question | Date | Signature |
|---|---|---|---|
| 1 | Programs to implement set operations union, intersection, difference, and Cartesian product | | |
| 2 | Programs to implement ceiling and floor functions | | |
| 3 | Programs to implement fuzzy set operations | | |
| 4 | Programs to implement Euclidean and Extended Euclidean algorithms | | |
| 5 | Programs to implement binary integer addition, multiplication, and division | | |
| 6 | Programs to implement Boolean matrix operations join, product, and Boolean product | | |
| 7 | Write a C program to perform arithmetic operations by breaking them into set of small integers | | |
| 8 | Programs to generate truth tables of compound propositions | | |
| 9 | Programs to test validity of arguments by using truth tables | | |
| 10 | Programs to compute linear search by using recursion | | |
| 11 | Programs to generate permutations and combinations | | |
| 12 | Write a C programs to implement quick sort | | |
| 13 | Write a C program to calculate power(b,a) modulo m | | |
| 14 | Programs to implement Dijkstra's Algorithm for finding shortest path in weighted graph. | | |
| 15 | Programs to implement Kruskal's Algorithm to find minimum spanning tree. | | |