**Lab Questions to be practiced**

**Total 4 Questions(4\*25=100)**

**QUESTION 1**

1. Reversing a 32 but signed integers
2. Merging two Arrays
3. Given an array finding duplication values
4. Given array of reg nos need to search for particular reg no
5. Array sort - ascending and descending
6. Identify location of element in given array
7. Given array print odd and even values
8. Sum of Fibonacci Series(with& without Recursion)
9. Finding factorial of a number(with& without Recursion)
10. Array search - linear and binary
11. Given set of Array elements - display 5th iterated element
12. Given unsorted array Display missing element
13. Array concatenation
14. Matrix Multiplication
15. Sum of row and column – Array
16. Elements repeated twice - Array
17. Print the frequently repeated numbers count from an array
18. Given 2 D matrix print largest element
19. Check for a valid String
20. Given a string - sort in alphabetical order
21. Print the index of repeated characters given in an array

**QUESTION 2**

1. Merging of list
2. Print no of nodes in the given linked list
3. Intersect SLL
4. Palindrome using SLL
5. linked list – Insertion,Deletion and Display
6. Reverse - SLL
7. Stack operation
8. Consider 2 stacks, add bottom most element and top most element print the value
9. Stack using two queues
10. Queue using two stacks

**QUESTION 3**

1. AVL tree
2. Binary search tree - search for a element, min element and Max element
3. Binary tree
4. BST - kth min value
5. Tree traverse
6. Heap Sort, Merge Sort, Insertion and Quick Sort
7. Hashing (All methods)

**QUESTION 4**

1. Graph - shortest path
2. Given Graph convert to array and print minimum edges
3. Given Graph - Print valid path
4. Topological Order
5. BFS and DFS