**List of Practical**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Topic** | **Hours** |
| 1. | **Stack**  a)     Write a program to read two-dimensional array in row major order and print it in column major order.  b)     Write a Program to Implement Stack Operations          Push          Pop          Peep         Change | **02** |
| 2. | Write a program to convert fully parenthesized infix expression to postfix expression. | **02** |
| 3. | **Linked List**  a)     Write a program to implement doubly Linked List’s operation.         Insertion, Deletion and Traversal  b)     Write a program to reverse a singly linked list | **04** |
| 4. | a)     Write a program to add two polynomials.  b)     Write a program to implement operations of Circular linked list. | **04** |
| 5. | **Queue**  a)     Write a program to implement circular Queue operations: Insert, Delete  b)     Write a program to implement priority queue. | **04** |
| 6. | **Sorting**  a)     Write a program to perform Insertion sort.  b)     Write a program to perform Quick sort. | **04** |