

LIST OF EXPERIMENTS

CYCLE - 1

| Exp. No. | |
|----------|---|
| 1.1 1) | Fibonacci, GCD, Towers of Hanoi using recursive function |
| 1.2 2) | Design, develop & implement linear search & binary search |
| 1.3 3) | Implement hashing technique, resolve collision using linear probing. |
| 1.4 | |
| 1.5 4) | Design, develop & implement selection sort & Bubble sort. |
| 1.6 5) | Design, develop & implement quick sort & Merge sort. |
| 1.7 6) | Design, develop & implement operations on single linked list |
| 1.8 7) | Design, develop & implement operations on STACK. |
| 1.9 8) | Design, develop & implement C program for converting an Infix Expression to Postfix Expression. |
| 1.10 | |

CYCLE - 2

| Exp. No. | |
|----------|--|
| 2.1 9) | Design, develop & implement operations on QUEUE. |
| 2.2 10) | Design, develop & implement C program for Binary tree traversal using iterative & recursive functions. |
| 2.3 | |
| 2.4 11) | Design, develop & implement operations on Binary Search Tree (BST) |
| 2.5 | |
| 2.6 12) | Design, develop & implement operations on Graph. |
| 2.7 | |
| 2.8 | |
| 2.9 | |
| 2.10 | |