**Before Midterm**

1. Push into Stack & Queue
2. Pop from Stack & Queue
3. Push/Pop into/from the at any index of the array (not at 0 index or at last index)
4. Matrix Multiplication
5. Linear Search
6. Binary Search
7. Factorial
8. Ackerman Function
9. Tower of Hanoi
10. Bubble Sort
11. Quick Sort
12. Insertion Sort
13. Selection Sort
14. Merge Sort
15. Infix to Postfix
16. Postfix Evaluation
17. Linklist
18. Evaluation of a Polynomial
19. First Pattern Matching Algorithm

**After Midterm**

1. Kruskal ‘s Algorithm (MST)

2. Prim’s Algorithm (MST)

3. Warshall’s Algorithm (Shortest Path)

4. Djkstra’s Algorithm (Shortest Path)

5. Huffman Code

6. Heap Sort  
7. Hash Function

8. Random Number Generation Algorithm (Mid Square Method or Any)

9. Union, Intersection, Minus

10. Exceptional any (carry more marks)