C PROGRAMMING

1. Find roots of a quadratic equation
2. Find the sum of digits and reverse of a number
3. Find the factorial of a number
4. Find Sin(x)
5. Find Cos(x)
6. Display pyramid using '*'
7. Check for leap year
8. To display count of +ves, -ves and zeros in a set of N numbers
9. Find first n prime numbers
10. Find LCM and HCF of 2 numbers
11. To print Armstrong numbers within range
12. Convert a decimal number to a new base
13. To calculate the standard deviation of N numbers
14. Find the decimal equivalent of number (base other than 10)
15. To merge two arrays
16. To find N^{th} Fibonacci number
17. To find the trace of a square matrix
18. To sort n numbers
19. Find the number of words in a given sentence
20. Reverse a string using recursion
21. Find the number of vowels in a strings
22. To generate mark list of N students using array of structures
23. To find the length of string using pointer
24. To store and read from a text file
25. Write odd and even numbers into two files

DATASTRUCTURE USING C

1. Reverse a string using pointer
2. Sort a given list of strings
3. Merge two sorted arrays into one sorted array
4. Search an element in one dimensional array using linear search
5. Search an element in one dimensional array using binary search
6. Search an element in one dimensional array using recursive binary search
7. Implement Pascal triangle using two dimensional arrays
8. Read a sparse matrix and display its triplet representation using array
9. Create a singly linked list of N nodes and display it
10. Delete a given node (by position) from a singly linked list
11. Create a singly linked list and search an element from that list
12. Create a doubly linked list of integers and display in forward and backward direction
13. Implement polynomial using array
14. Implement stack operations (push & pop) using array
15. Implement queue operations (insertion & deletion) using array
16. Evaluation of postfix expression using array
17. Implement quick sort using array
18. Implement bubble sort using array
19. Implement selection sort using array
20. Implement insertion sort using array