

DETAILED SYLLABUS

Contents:Practical

PART – A

1. Write a simple C Program
 - a. Print your Name and Address
 - b. Find Simple interest and Compound interest.
2. Write a C program to swap two variable's using
 - (i) third variable and (ii) without using a third variable.
3. Write a program to find the largest number between given three numbers.
4. Write a program to print all prime numbers from 1 to N.
5. Write a program to prepare the total marks for N students by reading the Reg.No, Name, Mark1 to Mark6 by using array of structures.
6. Write a program using the function power (a,b) to calculate the value of a raised to b.
7. Write a program to find the length of the given string using pointers.
8. Write a program to find factorial of a number using recursion.

PART – B

9. Write a program in 'C' to create a singly linked list containing at least five elements. Make necessary assumptions.
10. Write a "C" program to perform operations in stack using array.
11. Write a "C" program to convert an infix expression into post fix expression.
12. Write a "C" program to perform operations in queue using array.
13. Write a "C" program to add two 3 x 3 matrices and display the result in Matrix form.
14. Write a "C" program to read 10 elements and sort the above numbers using bubble sort.
15. Write a "C" Program for binary searching.

BOARD EXAMINATION

DETAILED ALLOCATION OF MARKS

SCHEME OF VALUATION	
Writing any one program from PART – A	20 Marks
Writing any one program from PART – B	25 Marks
Executing program (PART – A)	20 Marks
Executing program (PART – B)	20 Marks
Result with printout (PART – A)	05 Marks
Result with printout (PART – B)	05 Marks
VIVA – VOCE	05 Marks
Total	100 Marks

HARDWARE REQUIREMENT

Desktop Computers	-	30 No's
Laser Printer	-	1 No

SOFTWARE REQUIREMENT

C – Compiler with Editor.