Assignment 5

 **Shri G.S Institute of Technology & Science**

**C Programming Lab**

**Assignment 5 – INDEX**

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| Sr. No. | Program | P. No. | Remarks |
| 1 | Write a program in C to show the basic declaration of a pointer. | 1 |  |
| 2 | Write a program in C to add two numbers using pointers. | 1-2 |  |
| 3 | Write a program in C to find the maximum number between two numbers using a pointer. | 2 |  |
| 4 | Write a program in C to store n elements in an array and print the elements using a pointer. | 2-3 |  |
| 5 | Create a structure called "Student" with members name, age, and total marks. Write a C program to input data for two students, display their information, and find the average of total marks. | 3-4 |  |
| 6 | Define a structure named Time with members hours, minutes, and seconds. Write a C program to input two times, add them, and display the result in proper time format. | 4-5 |  |
| 7 | Define a structure named Circle to represent a circle with a radius. Write a C program to calculate the area and perimeter of two circles and display the results. | 5-6 |  |
| 8 | Write a program in C to print all perfect numbers in a given range using the function. | 6-7 |  |
| 9 | Write a program in C to count the digits of a given number using recursion. | 7-8 |  |
| 10 | Write a program in C to convert a decimal number to binary using recursion. | 8-9 |  |
| 11 | Create a structure named "Employee" to store employee details such as employee ID, name, and salary. Write a program to input data for three employees, find the highest salary employee, and display their information. | 9-10 |  |
| 12 | Write a program in C to find the largest element using Dynamic Memory Allocation. | 10-11 |  |