

## Asha M. Tarsadia Institute of Computer Science and Technology

## **Laboratory Planning**

Programme Name/Year:	B.Tech. Computer Science and Engineering (CSE)/2022-23		
Subject Name and Code:	IT3006 - Programming with C		
Subject Teacher(s):	Ms. Kamini Sharma, Mr. Vishvajit Bakrola, Ms. Ankita Desai, Mr. Darshan Chauhan, Ms. Twinkle Kosambia		
Academic Year:	2022-23		

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Sr. No.	Experii	ment	Date of Experiment	Sign
1.	Write a C program to display:			
1.	#######################################			
	Student Name: Aman Singh			
	Branch: B.Tech. Computer Scie	nce and Engineering		
	Enrollment Number: 202203103	5100001		
	#######################################	<del>#######</del>		
2.	Write a program to calculate the the cylinder. Use A = pi * r*r, V=			
	Use PI as a symbolic constant.			
3.	Write a C program to take temperand display the temperature in C	erature from the user in Fahrenheit Celsius.		
4.	Write a C program to take inputs from the user and modify it in su name given the month number be	ch a way that prints the month		
5.	Write a C program that scans ar whether the number is divisible to	n integer from the user and checks by 5 or not.		
6.	Write a C program to take the bi current age of the user.	rth date as an input and prints the		
7.	Write a program to read student program should display equivale table:			
	Marks	Grades		
	100 - 80	Distinction		
	79-60	First Class		
	59 – 40	Second Class		
	< 40			

				om 1 to 7 and pri	nt		
	respective day of the week to the user.						
9.	Write a program to generate the first N number of Fibonacci series. The value of N is to be entered by the user.						
			Continue	ous Evaluation-	-1		
10.	Write a program to find out the sum of the first and last digit of a user entered number.						
11.	Write a	program to prir	nt following patte	erns:			
	1 12	* *	* * * * *	ABCDE ABCD			
	123	* * *	* * *	ABC			
	1234	* * * *	* *	AB			
	12345	* * * * *	*	A			
12.			efines a functior entered by the	n to add first N n user.	umbers.		
13.	Write a user defined function with a name $swap()$ to interchange the values of two variables, say x and y. Call your $swap()$ function from the $main()$ function.						
14.	Create a function that scan a character string passed as an argument and convert all lowercase character into their uppercase equivalents.						
15.	Write a C program to read and store the roll no and marks of twenty students using an array. Display the same array to user in appropriate format.						
16.	Write a program to sort given array in ascending order using Bubble sort and Selection sort.						
17.	Write a program to perform various string operations on user entered string.						
18.	Define a structure type struct <i>person</i> that contains <i>person_name</i> ,  date_of_joining and salary. Write a code to read this information from the user and print the same.						
			Continue	ous Evaluation-	-2		
19.	Define a structure called <i>cricket</i> that will describe the following information:						
	Player_name, Team_name, and Batting_average. Using strcture, declare an array player[] with 50 elements and write a C code to read the information about 5 players and print a team wise list containing names of players with their batting average.						
20.	Define a structure data type called time_ struct containing three member's: integer hour,integer minute and integer second.  Develop a program that would assign values to the individual number and display the time in the following format: 16:40:51						

28.	Mini Project in C programming.	
	large string.	
27.	Write a program to store a character string in block of memory space created by malloc and then modify the same to store a	
26.	Write a program to copy the contents of the one file to another.	
25.	Write a C program that reads and print the content of the file. The file name is to be taken as a user input.	
24.	Write a C program to perform sorting using a pointer.	
23.	Write a C program to print the address of character and the character of string using pointer.	
22.	Write a C program to swap the two values using pointers.	
	Write a C program to print the address of a variable using a pointer.	