

MODULE - 3			
5	a	Write a C Program to sort N number of elements in an array using BUBBLE SORT algorithm.	10
	b	Explain the following string library functions with syntax and example. i) strlen() ii) strcpy() iii) strcmp() iv) strcat()	10
6	a	Write a C Program to read a sentence and print the frequency of each of the vowels and also the total number of consonants.	10
	b	What is an array? How a single dimension and two dimension arrays are declared and initialized?	10
MODULE - 4			
7	a	Define recursion. Write a C program to find factorial of a number using recursion.	6
	b	Explain various components of function with example.	8
	c	What is a pointer? Explain how the pointer variable declared and initialized.	6
8	a	Define local and global variables. Explain with suitable example.	6
	b	Explain call by value and call by reference with example	8
	c	Write a C program to find the sum and mean of all elements in an array using pointers	6
MODULE - 5			
9	a	Explain the following with syntax and example: i) Declaration of structure type ii) Declaration of structure variables iii) Accessing of structure variables.	10
	b	Write a program to accept the text from the keyboard and display it onto a file. Further read the contents of the file and display it on the monitor.	10
10	a	Explain array of structures. Write a C program to demonstrate array of structures.	10
	b	Explain following functions related to FILE HANDLING i) fopen() ii) fclose() iii) getc() iv) putc()	10

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