



B.Tech - CSE, CSE (AI&ML/CS/SE/CC), CE (SE), CE, IT

Question Bank IE 2

Semester –1

Subject Name: Programming with C

Subject Code: IT3006

Sr. No.	Questions
1.	Enlist and explain various string handling functions.(strcat(), strlen(), strcpy(), strcmp() etc.)
2.	Write a C program to perform addition and subtraction of two 2-Dimensional arrays.
3.	Write a C program to copy one string into another and count the number of characters copied.
4.	Describe the elements of the user defined function.
5.	Explain recursion with the help of an example.
6.	Write a C program to perform sum of two numbers with the help of user-defined function.
7.	Explain iteration vs recursion with example.
8.	Write a C program to find minimum of two numbers using user defined function.
9.	Differentiate call by value and call by reference with an example.
10.	Describe different categories of user defined function.
11.	Define and declare pointer.
12.	Show the significance of '&' operator in pointer.
13.	Define pointer to pointer. Write a C program which illustrates the use of pointer to pointer.
14.	Show the memory representation of a pointer variable.
15.	Describe malloc() and calloc() functions.
16.	Describe the concept of pointer to an array with an example.
17.	Write a C program to perform swapping of two elements using pointers.

18.	Write a C program of traversing an array using pointer.
19.	Describe the concept of pointer to a string with an example.
20.	Describe the concept of pointer with function using an example.
21.	Define and describe structure.
22.	Explain with example how to declare a structure and how to initialize it.

(Subject Teacher)

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