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## **Frequently Asked Questions:**

### **DISCLAIMER:**

Please do not misunderstand that you should study only those questions which are stated below. Ideally, study everything at least once and the questions given below at least twice.

### **Theory:**

<b>Page Number in Printed Notes</b>	<b>Question</b>
70, 71	Library Functions
36	Compare while, do-while and for loop
33	What is the purpose of the switch statement ? Explain its working in detail?
34	Compare switch and nested if-else (or else-if ladder or if-else).
36	continue and break statements
41	Explain what is recursion. Compare recursion and iteration.
46	Write notes on storage classes.
49	Explain the use of the following library functions. (i) strlen (ii) strcpy (iii) strcat (iv) strcmp
52	Explain the reference operator (or address operator) in C? OR Explain what is meant by referencing?
52	Explain the dereference operator (or indirection operator or value at address operator) in C? OR Explain what is meant by dereferencing?
53	Explain <i>call by value</i> parameter passing technique in C.
53	What is <i>call by address (call by pointer or call by reference or call by location)</i> parameter passing technique in C?
Combine above 2 answers	Explain the different parameter passing techniques in C.

64	Explain in detail about opening and closing a data file.
66	Explain how to read the contents of file and write into the file with syntax? OR  What are the different methods of carrying out file I/O in C language? What different library functions are supported by C language to do this?

**GIVE SMALL & SIMPLE EGGS FOR EACH THEORY ANSWER IN EXAM ELSE YOU WILL NOT GET FULL MARKS.**

**Programs:**

1. Find roots of Quadratic equation.
2. Find Reverse of number.
3. Check whether a given number is an Armstrong number.
4. Find factorial of a given number.
5. Print first n terms of Fibonacci series.
6. Pattern Problems
7. Check whether a given number is prime or not.
8. Find factorial of a number (using non recursive function).
9. Find factorial of a number (using recursive function).
10. Menu driven calculator program.
11. Find nth term of Fibonacci series (using recursive function)
12. Find  $x^y$  (using recursive function)
13. Find sum and average of given n numbers.
14. Bubble Sort.
15. Check whether a given number is palindrome or not.
16. Concatenate two strings and string copy using user-defined functions.
17. Check whether the matrix is symmetric or not.
18. Find transpose of matrix.
19. Multiply two matrices.
20. Hockey program from structures.
21. Employee program from structures
22. Create copy of a file.

***GOOD LUCK !!*** 😊