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**DHANALAKSHMI SRINIVASAN COLLEGE
OF ARTS & SCIENCE FOR WOMEN
(AUTONOMOUS)**



(For Candidates admitted from 2018-2019 onwards)

UG DEGREE EXAMINATIONS APRIL – 2021

B.SC - PHYSICS

COMPUTER PROGRAMMING IN " C " LANGUAGE

Time: 3 Hrs

Max.Marks: 75

PART - A

CHOOSE THE CORRECT ANSWER.

(10*1=10)

1. The format identifier '%i' is also used for _____ data type.
a) char b) int c) float d) double
2. The _____ header file is designed for basic mathematical operations in the standard library of C programming language.
a) math.h b) conio.h c) dos.h d) stdio.h
3. $x - = y + 1;$ means
a) $x = x - y + 1$ b) $x = -x - y - 1$ c) $x = -x + y + 1$ d) $x = x - y - 1$
4. The _____ statement will stop the execution of the innermost loop and start executing the next line of code after the block.
a) if b) case c) break d) continue
5. Which of the following is a correct format for declaration of function?
a) return-type function-name(argument type);
b) return-type function-name(argument type){}
c) return-type (argument type)function-name;
d) all of the mentioned
6. The value obtained in the function is given back to main by using _____ keyword.
a) new b) static c) return d) volatile
7. Which is an indirection operator among the following?
a) & b) * c) -> d) .
8. Which of the following can never be sent by call-by-value?
a) Variable b) Array c) Structures d) Both Array and Structures

9. In C, if you pass an array as an argument to a function, what actually gets passed?
- a) Value of elements in array
 - b) First element of the array
 - c) Base address of the array
 - d) Address of the last element of array
10. Which of the following special symbol allowed in a variable name?
- a) * (asterisk)
 - b) | (pipeline)
 - c) - (hyphen)
 - d) _ (underscore)

PART – B

ANSWER ALL THE QUESTIONS

(5*7=35)

11. a) Write about the 'C' tokens.

(OR)

- b) Discuss the different types of data types used in C.

12. a) Explain IF statement using C program.

(OR)

- b) Explain Array declaration with example.

13. a) Write about Arrays of Structure with example.

(OR)

- b) Explain about return values and their types.

14. a) How to access a variable through its pointer?

(OR)

- b) Explain about fprintf and fscanf function.

15. a) Write a C program to find the smallest and largest number in an array.

(OR)

- b) Write a C program to sort the names in alphabetical order.

PART – C

ANSWER ANY THREE QUESTIONS

(3*10=30)

16. Explain the various types of operators in detail with example.
17. Explain decision making and looping statement in C with example.
18. Explain briefly about the function definition and declaration with example.
19. Explain briefly about pointers in C with example.
20. a) Write a C program to sort the numbers in ascending and descending order.
- b) Write a C program to find the factorial number using recursion.