

**19P164**

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Name: .....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2019**

(CUCSS PG)

**CC19P CSS1 C04 - THE ART OF PROGRAMMING METHODOLOGY**

(Computer Science)

(2019 Admission Regular)

Time: Three Hours

Maximum: 30 Weightage

**PART A**

Answer any *four* questions. Each question carries 2 weightage.

1. Differentiate between Compilers and Interpreters.
2. What is meant by tokens in C?
3. Explain Conditional Operator.
4. What are different types of Loops?
5. Explain any 2 String Manipulation Functions
6. Give a brief description on Call by reference.
7. What are command line arguments?

**(4 x 2 = 8 Weightage)**

**PART B**

Answer any *four* questions. Each question carries 3 weightage.

8. Explain structures and union with suitable example.
9. What are the characteristics of a good program?
10. Briefly explain files in C. Write a program to copy a file into another file.
11. What is precedence and associativity in C?
12. Explain the structure of C Program.
13. Discuss the different jump statements used in C.
14. Give a short description on the different types of functions in C

**(4 x 3 = 12 Weightage)**

**PART C**

Answer any *two* questions. Each question carries 5 weightage.

15. a) Explain Switch statement.  
b) What are arrays? Write a program to sort a set of integers in ascending order.
16. Explain the different types of operators used in C with suitable example.
17. Give a description on pointers. Write a program to perform matrix addition and matrix multiplication using pointers.
18. Explain the various storage classes used in C with example.

**(2 x 5 = 10 Weightage)**

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