20P165   (Pages: 2)   Name: ……………………..

Reg. No: ……………………..

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2020
(CBCSS-PG)

(Regular/Supplementary/improvement)

CC19P CSS1 C04 - THE ART OF PROGRAMMING METHODOLOGY
(Computer Science)

(2019 Admission onwards)

Time: Three Hours   Maximum: 30 Weightage

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

1. What is meant by constants in C?

2. Differentiate syntax errors and logical errors

3. What are bitwise operators?

4. What is a macro?

5. Explain the working of continue statement.

6. Give a brief description static storage class used in C.

7. What is dynamic memory allocation?

(4 x 2 = 8 Weightage)

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

8. Explain recursion with example.

9. Explain the characteristics of a good program?

10. Briefly explain error handling in files in C. Write a program to copy a file into another file.

11. Explain the terms precedence and associativity?

12. Explain the structure of C Program.

13. Discuss the working of switch statement used in C.

14. Give a short description on command line arguments.

(4 x 3 = 12 Weightage)

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

15. Explain the different types of Loops in C with suitable examples.

16. Give a short description on 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 following

   a) Structures　　　b) Unions　　　c) pointers　　　d) break statement

(2 x 5 = 10 Weightage)

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