D 114554　　　　　(Pages : 2)　　　　Name...

Reg. No....................................

FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY) EXAMINATION, NOVEMBER 2024

(CBCSS)

Computer Science

CSS 1C 04—THE ART OF PROGRAMMING METHODOLOGY

(2019 Admission onwards)

Time : Three Hours　　　　　　　　　　　　　　　　Maximum : 30 Weightage

Section A

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

1. What are the advantages of writing fundamental algorithm for solving a problem ?

2. List out the input and output functions in C.

3. How to use do.. .while statement in C ?

4. What is the purpose of a function prototype ?

5. Write down the dynamic memory allocation in C.

6. Define command line arguments in C.

7. Mention the most commonly used string functions in C.

(4 × 2 = 8 weightage)

Section B

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

8. Write down the documentation and program maintenance.

9. Discuss about the different assignment operators in C.

10. Determine the while statement and give its example.

11. Define user-defined function in C. List out its advantages.

Turn over

12. Explain the random accessing files in C language.

13. What is the file operations used in C ?

14. Explain the concept of an array within a structure in C programming.

(4 × 3 = 12 weightage)

Section C

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

15. Difference between compiler and interpreter.

16. What are the differences between keyword and identifier in C.

17. Demonstrate one-dimensional array in C language and give its example.

18. Explain in detail about storage classes in C.

(2 × 5 = 10 weightage)