

D 32687

(Pages : 2)

Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2022**

(CBCSS)

Computer Science

CSS1C04—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. List out the basic symbols used in flowchart designs.
2. Define character constants and string constants.
3. Mention the types of arrays in C.
4. What are the advantages of using modular programming approach ?
5. How to use a pointer ?
6. Write the different methods of error handling in C.
7. Specify the classification of tokens in C.

(4 × 2 = 8 weightage)

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

8. Draw a flowchart to input two numbers from the user and display the largest of two numbers.
9. Write a short note on structure of C program.
10. How to create a program using nested for loop ?
11. Determine the call by value and call by reference in C Programming.
12. What is the procedure to assign values to pointers the unary 'and' operator ?

Turn over

13. Difference between Structure and Union definition in C.
14. Discuss about arithmetic operators with its examples.

(4 × 3 = 12 weightage)

Section C

*Answer any **two** questions.*

Each question carries 5 weightage.

15. Write a pseudo-code to find the sum of first n natural numbers, where n is any given integer, without using a formula.
16. Explain in detail about operators in C.
17. Discuss about function call, definition and declaration with its example.
18. Give a detailed note on variable type file, file pointers and the fopen function.

(2 × 5 = 10 weightage)