

D 52794

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Name.....

Reg. No.....

**FIRST SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, NOVEMBER 2023**

(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 classifications of flowcharts ?
2. How to use getchar () function ?
3. List out the limitations in the use of an array.
4. Define unions.
5. Give reason for subtracting pointers from pointers with example.
6. Mention the needs of bit-fields in C program.
7. What is a structure ?

(4 × 2 = 8 weightage)

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

8. List out the characteristics of a good program.
9. What are the data types in C program ?
10. How to construct if... else if... else statement in C ?
11. Explain the array of structure in C.

Turn over

12. Mention the number of build-in function to perform basic file operations.
13. Determine the accessing the file with `getc`, `putc`, and `fprintf`.
14. Construct a procedure to show how to determine the greater of two given numbers.

(4 × 3 = 12 weightage)

Section C

Answer any two questions.

Each question carries 5 weightage.

15. Explain the standard symbols used in program flowcharts.
16. Determine the shift operators with its example.
17. How to initialize multi-dimensional arrays ?
18. Give a detailed note on pre-processor directives.

(2 × 5 = 10 weightage)