

23P162

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P CSS1 C04 - THE ART OF PROGRAMMING METHODOLOGY

(Computer Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Briefly discuss the concept of Top down Design approach.
2. Write difference between keywords and identifiers.
3. Explain the working of goto statement with an example.
4. What is multi-dimensional array? How 2D arrays are declared and initialized?
5. Give a brief description on Call by reference.
6. Differentiate structure and union with suitable example.
7. What is dynamic memory allocation?

(4 × 2 = 8 Weightage)

Part-B

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

8. Explain different flowchart symbols. Define flowchart.
9. What are the characteristics of a good program?
10. Discuss the basic structure of C programming with neat diagram.
11. What are the tokens used in C? Explain with example.
12. What is operator precedence and associativity in C?
13. What are command line arguments? Explain its usage and purpose with suitable example.
14. What is a macro? Explain different types of macros with suitable examples.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain different looping statements in C with suitable example.
16. a) Define string variable. How strings are declared and initialised?
b) Explain the various string handling functions in C.
17. Discuss the various storage classes used in C with example.
18. a) Write a program to determine the length of a character string using pointer.
b) What do you mean by dereferencing? Explain it in detail.

(2 × 5 = 10 Weightage)
