

25U2123

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Name :

Reg. No :

SECOND SEMESTER B.Voc. DEGREE EXAMINATION, APRIL 2026

(FYUGP)

CC25INT2CJ104 - INTRODUCTION TO C PROGRAMMING

(B.Voc. IT - Major Course)

(2025 Admission - Regular)

Time: 2.0 Hours

Maximum: 60 Marks

Credit: 4

Section A

Answer *all* questions. Each question carries 2 marks.

1. Define execution of a program. [Level:1] [CO1]
2. Identify the developer of C language. [Level:1] [CO1]
3. Define a C program. [Level:1] [CO1]
4. Explain special operators in C [Level:1] [CO2]
5. Define for loop. [Level:1] [CO2]
6. Explain type casting in an expression. [Level:1] [CO2]
7. Differentiate between structure and union. [Level:1] [CO3]
8. Define array. [Level:1] [CO3]
9. Differentiate puts() and putchar() functions. [Level:1] [CO3]
10. Write a program to apply pointers to traverse arrays. [Level:1] [CO4]
11. Define dynamic memory allocation. [Level:1] [CO4]
12. Explain file writing operation. [Level:1] [CO4]

(Ceiling: 20 Marks)

Section B

Answer *all* questions. Each question carries 6 marks.

13. Explain different types of errors in C programs with examples. [Level:2] [CO1]
14. Explain decision-making statements. [Level:2] [CO2]
15. Describe the use of scanf(), printf(), getchar(), and putchar() functions. [Level:2] [CO2]

16. Explain structures in C and their applications. [Level:2] [CO3]
17. Write a program to swap two numbers using call by reference. [Level:2] [CO3]
18. Discuss the advantages and applications of pointers. [Level:2] [CO4]

(Ceiling: 30 Marks)

Section C

Answer any **one** question. The question carries 10 marks.

19. Explain C language tokens in detail with suitable examples. [Level:2] [CO1]
20. a) Define the term scope of a variable. What are the different types of scopes used in C? Explain in detail. [Level:2] [CO3]
- b) Explain call by value and call by reference with example.

(1 × 10 = 10 Marks)
