



**K25U 1311**

Reg. No. : .....

Name : .....

**Second Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Supplementary/  
Improvement) Examination, April 2025  
(2019 to 2023 Admissions)**

**COMPLEMENTARY ELECTIVE COURSE IN COMPUTER SCIENCE  
2C02CSC : Programming in C**

Time : 3 Hours

Max. Marks : 32

**PART – A  
(Short Answer)**

Answer **all** questions.

**(5×1=5)**

1. How do you declare a variable in C ? Give an example.
2. What is the output of printf ("%d", 5/2); ?
3. What is the purpose of the break statement in a loop ?
4. What is the purpose of the void keyword ?
5. What is Array ?

**PART – B  
(Short Essay)**

Answer **any 4** questions.

**(4×2=8)**

6. What are the basic data types available in "C" ?
7. What is type conversion ?
8. What is the difference between ++i and i++ ?
9. What do you mean by operator precedence ?
10. Differentiate between while and do-while loops.
11. What is recursion ?

**P.T.O.**



PART – C  
(Essay)

Answer **any 3** questions.

(3×3=9)

12. Explain the general structure of the C program with an example. Write a C program to find the area of a circle.
13. What is the purpose of scanf() and printf() statements ?
14. Explain different relational operators available in C language with examples.
15. Explain switch statement with syntax and an example.
16. Write a short note on the following :
  - a) strlen( )
  - b) strcpy( )
  - c) strcat( )
  - d) strcmp( )

PART – D  
(Long Essay)

Answer **any 2** questions.

(2×5=10)

17. What are the unformatted input and output functions ? Explain with examples.
  18. With the help of an example explain different if statements used in C.
  19. Differentiate between call by value and call by reference with a suitable example.
  20. Write a C program to add two matrices.
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