



K26U 0844

Reg. No. :

Name :

Second Semester B.Sc. Degree (C.B.C.S.S.-OBE – Supplementary)
Examination, April 2026
(2020 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.

1. Define modular programming.
2. What are identifiers ?
3. List the different logical operators in C.
4. Give the syntax of goto statement.
5. What are arrays ?

(5×1=5)

PART – B
(Short Essay)

Answer **any 4** questions.

6. What are the different fundamental data types ? Explain briefly.
7. What are the different input statements in C. Explain with examples ?
8. Differentiate between Compiler and Interpreter.
9. Explain while loop with an example.
10. What is a null pointer ?
11. What is meant by call-by-reference ?

(4×2=8)

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PART – C
(Essay)

Answer **any 3** questions.

12. Explain the difference between break and continue statement with examples.
13. What is prototyping ? Why is it necessary ?
14. Explain switch statement with an example.
15. Write a C program for generating palindrome numbers between two ranges.
16. Explain the different string handling functions.

(3×3=9)

PART – D
(Long Essay)

Answer **any 2** questions.

17. Describe the various categories of functions with examples.
18. Write a C program to multiply two matrices.
19. What are operators ? How are they classified ? Explain.
20. Write a C program to sort a list of numbers in ascending order.

(2×5=10)