



K24U 1611

Reg. No.:

Name :

**Second Semester B.Sc. Degree (CBCSS – OBE-Regular/Supplementary/
Improvement) Examination, April 2024**

(2019 Admission Onwards)

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 variable.
2. What is the value of the expression $2 + 3 * 4$?
3. What is the purpose of the size of operator ?
4. Give two examples of header files.
5. What is the difference between $=$ and $==$?

(5×1=5)

**PART – B
(Short Essay)**

Answer **any 4** questions.

6. Explain the general structure of the C program with an example.
7. What is the purpose of the continue statement in a loop ?
8. Write the syntax of conditional operator in C.

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9. What do you mean by keywords in C ? Give an example.
10. What is recursion ?
11. What do you mean by Library Functions ?

(4×2=8)

PART – C
(Essay)

Answer **any 3** questions.

12. Write the syntax of the conditional control structures.
13. With proper comments, write a C program to find a number that is even or odd.
14. What is a pointer ? Explain how the pointer variable is declared and initialized.
15. Explain string manipulation library functions with their syntaxes.
16. What is an array ? With the help of an example, explain a single-dimension and two-dimension arrays are declared and initialized. **(3×3=9)**

PART – D
(Long Essay)

Answer **any 2** questions.

17. List all the operators used in C. Give examples.
18. Explain about formatted and unformatted input and output functions available in C language.
19. Explain the different types of loops in C with syntax.
20. Explain storage class in C. **(2×5=10)**
