



**K23U 1984**

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/  
Improvement) Examination, April 2023  
(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 keywords.
2. What are constants ?
3. What is automatic variable ?
4. What is typecasting ?
5. What do you mean by unary operator ? Give examples.

(5×1=5)

**PART – B  
(Short Essay)**

Answer **any 4** questions.

6. Explain the different format specifiers in C.
7. What are preprocessor directives ? Explain with example.
8. Discuss conditional operators in C.
9. What is pointer ?
10. Describe the use of putc() function.
11. Explain printf() and scanf() statements in C.

(4×2=8)

P.T.O.



**PART – C**  
**(Essay)**

Answer **any 3** questions.

12. Explain switch statement with an example.
13. What are structures ? Explain with an example.
14. Write short notes on qualifiers.
15. Explain nested if statement with an example.
16. Explain the different looping statements in C. **(3×3=9)**

**PART – D**  
**(Long Essay)**

Answer **any 2** questions.

17. Explain in detail all the basic data types in C. Expand them in terms of the keyword, byte size, range and format specifier.
  18. Briefly explain the different forms of if statement with examples.
  19. Explain various storage class specifications in C with examples.
  20. Write a program in C to add two complex numbers using structures. **(2×5=10)**
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