



**K22U 1284**

Reg. No. : .....

Name : .....



**II Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/  
Improvement) Examination, April 2022  
(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. Give an example for a formatted input function.
2. What is a pointer variable ?
3. What is the use of gets function ?
4. When is a switch preferred over if ?
5. Define a string.

**(5×1=5)**

**PART – B  
(Short Essay)**

Answer **any four** questions :

6. Give two examples for logical operators.
7. What is the use of type-def ?
8. Write a program to read and print an array of integers.
9. Give the difference between break and continue statements.
10. What is a function prototype ?
11. Using library function, find the square root of a number.

**(4×2=8)**

P.T.O.



**PART – C**  
**(Essay)**

Answer **any three** questions :

12. Explain the keywords of C.
13. Explain the different looping structures.
14. Write a program to find the largest of two numbers using conditional operator.
15. Demonstrate how to access a variable using pointer.
16. Explain the concept of call by value with example. (3×3=9)

**PART – D**  
**(Long Essay)**

Answer **any two** questions :

17. Explain operators in C.
  18. Explain storage classes.
  19. Explain the different escape sequences with examples.
  20. Write a recursive program to find the factorial of a number. Also explain its working. (2×5=10)
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