



K21U 3460

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS-OBE-Reg./Sup./Imp.)**  
**Examination, April 2021**  
**(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.

(5×1=5)

1. Write short note on constants with example.
2. Write short note on Logical operators in C.
3. Write the importance of compilation process.
4. Write the role of *break* in looping statements.
5. What do you mean by recursion ?

**PART – B (Short Essay)**

Answer **any 4** questions.

(4×2=8)

6. Explain bitwise operators used in C with example.
7. Explain switch statement with example.
8. Write a C program to find the average of three numbers.
9. What do you mean by pointers ? How it is declared ?
10. What do you mean by library functions ? Give example.
11. What is a macro ? What are the advantages of using macro definitions in a program ?

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**PART – C (Essay)**

Answer **any 3** questions.

**(3×3=9)**

12. Explain entry controlled loops in C.
13. What do you mean by unformatted input ? Explain with an example.
14. Write a C program to find sum of two numbers using a user defined function.
15. Write the steps involved to create and use a user defined function in C.
16. What do you mean by a structure ? How it is initialized ?

**PART – D (Long Essay)**

Answer **any 2** questions.

**(2×5=10)**

17. Explain arithmetic and relational operators in C and its precedence with example.
18. Explain different forms of if statements used in C.
19. What do you mean by call by value and call by reference ? Explain with an example.
20. Write a C program to sort n numbers.