



Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS – Supplementary/Improvement)  
Examination, April 2020  
(2014-2018 Admissions)**

**COMPLEMENTARY COURSE IN COMPUTER SCIENCE  
2C02 CSC : Programming in 'C'**

Time : 3 Hours

Max. Marks : 32

## SECTION – A

1. One word answer. **(6×0.5=3)**
- File manipulation functions in C are available in which header file ?
  - Which format specifier is used to print the values of double type variable ?
  - What will be the output ?  

```
void main ( ) {
    char a[ ] = "INFO" ;
    printf (" \n%s",a); }
```
  - Explicit type conversion is known as \_\_\_\_\_
  - By default a function returns a value of type \_\_\_\_\_
  - Maximum number of elements in the array declaration `int a[5][8]` is \_\_\_\_\_

## SECTION – B

**(5×2=10)**Write short notes on **any five** of the following questions.

- What are the major differences between structures and unions ?
- Differentiate between break and continue.
- What are entry control and exit control loops ?
- What are relational operators ?
- What are command line arguments ?



7. What is recursion ?
8. What is precedence of operators ?
9. What do you mean by Storage classes ?

#### SECTION – C

Write short notes on **any three** of the following questions.

**(3×3=9)**

10. Explain dynamic memory allocation.
11. Explain the merits and demerits of structured programming.
12. Write a program to print Armstrong numbers between two intervals.
13. Explain the scope and life time of variables in functions.
14. Explain ++i and i++ with example.

#### SECTION – D

Write short notes on **any two** of the following questions.

**(2×5=10)**

15. Write a C Program to read a string and count number of vowels in it.
  16. Explain in detail bitwise operators with example.
  17. Explain any five string handling functions.
  18. What is Union ? How it is defined ? How to initialize a union variable ?
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