



K20U 0300

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 ?

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

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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 ?

(2×5=10)

SECTION – B

Write short notes on any five of the following questions.

1. What are the major differences between structures and unions ?
2. Differentiate between break and continue.
3. What are empty control and exit control loops ?
4. What are relational operators ?
5. What are command line arguments ?

P.T.O.