

19U234S

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Name.....

Reg. No.....

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCBCSS – UG)

CC15U CSC2 C02 – PROGRAMMING IN C'

(Computer Science - Complimentary Course)

(2015, 2016 Admissions Supplementary)

Time: Three Hours

Maximum: 64 Marks

PART A

Answer *all* questions. Each question carries 1 mark.

1. Execution of a C program starts from
2. A constant is declared using the keyword
3. List the logical operators used in C.
4. Find the value of C from the following code segment
A=10; B=7; C = A>B?A:B;
5. Write the output for the value , ch=2.

```
switch (ch)
{
    case 1: printf("Print One");
    case 2: printf("Print Two");
    case 3 : printf("Print Three");
}
```

6. Write the declaration statement for a two dimensional array of size 5×7
7. Write the syntax of strcpy().
8. Name the storage class where storage is not in memory.
9. Write the output.

```
int a=5,*p;
p=&a;
printf("%d",*p);
```

(9 x 1 = 9 Marks)

PART B

Answer *all* questions. Each question carries 2 marks.

10. What is a qualifier? Write Examples.
11. What are the formatted i/o functions used in C?
12. Write and explain the syntax of while loop.

13. Explain the terms a) formal parameter and b) actual parameter.
14. Write any two error handling functions used in files.

(5 x 2 = 10 Marks)

PART C

Answer any *five* questions. Each question carries 5 marks.

15. Explain the structure of C program.
16. Differentiate between while and do..while with examples.
17. Write a program to find the number of occurrence of a character in a string.
18. Write a program to sort n numbers in ascending order.
19. What are the advantages of structure and union data types? How are they implemented?
20. Write notes on storage classes.
21. Explain the different argument passing mechanisms used in C.
22. What are pointers? Explain operations on pointers in detail.

(5 x 5 = 25 Marks)

PART D

Answer any *two* questions. Each question carries 10 marks.

23. Give a detailed description on selection statements used in C.
24. Define user defined function. Explain what are the different categories of functions.
25. Write a program to accept the marks in **m** subjects of **n** students in a class and display the same using structure.

(2 x 10 = 20 Marks)
