19U233SA (Pages: 2) Name………………………

Reg. No……………………

SECOND SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2020
(CUCBCSS – UG)

(Supplementary/Improvement)

CC17U BCS2 B02 – PROBLEM SOLVING USING C
(Computer Science – Core Course)

(2017, 2018 Admissions)

Time: Three Hours   Maximum: 80 Marks

PART - A
Answer *all* questions. Each question carries 1 mark.

1. Define token.

2. By default, a real number is treated as.

3. When we mention the prototype of a function?

4. Write any two logical operators.

5. Mansion which data type cannot be checked in a switch-case statement?

6. Name the keyword used to transfer control from a function back to the calling function.

7. #include is_____directives.

8. # define is called_____.

9. A pointer to a block of memory is effectively same as an array (T/F).

10. If the two strings are identical, then strcmp() function returns.

(10 x 1 = 10 Marks)

PART - B
Answer *all* questions. Each question carries 3 marks.

11. Explain importance of C?

12. Define data types?

13. Define user- defined   type declarations?

14. Explain getchar ()?

15. How can initialization of arrays with example?

(5 x 3 = 15 Marks)

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

16. What are the different types of operators in c?

17. What will be the output of the program?

```
#include<stdio.h>
int main()  {
int a = 300, b, c;
if(a >= 400)
b = 300;
c = 200;
printf("%d, %d, %d\n", a, b, c);
return 0;  }
```

18. Explain command line arguments.

19. Define structure and initialization? Explain arrays of structures and arrays within structure.

20. Explain jumping statement with example?

21. Write a c program to concatenation of two strings?

22. What do you mean by dynamic memory allocation?

23. Defining opening and closing of file?

24. Write a c program to add two matrix using functions?

(5 x 5 = 25 Marks)

PART D

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

25. What do you mean by the function? What are the different category of function?

26. Define pointers and initialization of pointers, pointer expressions, pointers and arrays?

27. Explain all Looping statements with example?

28. Explain string handling functions with example?

29. Write a program to copy data from one file to another.

(3 x 10 = 30 Marks)

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