

19U329S

(Pages: 2)

Name:

Reg. No.

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2020

(CUCBCSS-UG)

CC17U CSC3 C03 – PROBLEM SOLVING USING C PROGRAMMING

(Computer Science - Complementary)

(2017, 2018 Admissions – Supplementary/Improvement)

Time: Three Hours

Maximum: 64 Marks

PART A

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

1. Define C tokens.
2. What is meant by scope of a variable?
3. What is an array?
4. Define type casting.
5. The process of combining two strings together is called -----
6. What do you mean by recursion?
7. The ----- statement is used to skip a part of the statements in a loop.
8. What is the purpose of rewind() function
9. What is the output of this program?

```
void main()
{
    int a=10;
    int b=20;
    int c;
    c=(++a) + (a++) + (b++);
    printf("\n %d %d %d",a,b,c);
}
```

(9 x 1 = 9 Marks)

PART B

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

10. What is an identifier? Summarize the rules for naming identifiers.
11. What is a structure? How is a structure defined?
12. What is the use of *gets()* function in C?
13. Explain the general format of *fseek* function.
14. Differentiate while and do while statement in C.

(5 x 2 = 10 marks)

PART C

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

15. Write a program to find the factorial of a number.
16. What is a string? Explain string handling functions.
17. What do you mean by files? Explain the syntax and declaration of different file handling functions.
18. What do you mean by datatype? Explain different datatypes in C.
19. What is an operator? Explain any four types of operator?
20. Explain switch statement with example.
21. Write a program to add two matrices.
22. What do you mean by dynamic memory allocation?

(5 x 5 = 25 Marks)

PART D

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

23. Explain branching statements with example.
24. What do you mean by the function? Explain pass by value and pass by reference with the help of example.
25. What is a pointers. Explain declaration and initialization of pointers, pointer expressions, operation on pointers?

(2 x 10 = 20 Marks)
