20U340

Name: ....

Reg.No: ....

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U CSC3 C03 - PROBLEM SOLVING USING C

(Computer Science - Complementary Course)

(2019 Admission onwards)

Time : 2.00 Hours   Maximum : 60 Marks

Credit : 2

Part A (Short answer questions)

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

1. What are escape sequences? Give examples with explanation.

2. Give any four logical operators in C.

3. How will you read a string using scanf() function?

4. Write a short note on goto statement.

5. Define Array.Explain the syntax of array declaration.

6. Write the syntax of initialization of character array in C.

7. Give the differences between array and structures.

8. What is meant by call by value method in C ? Explain its syntax.

9. What is recursive function?

10. Define pointer. How can you declare it?

11. What do meant by chain of pointers?

12. What is Dynamic memory allocation?

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. What is a data type?Describe various data types available in C?

14. Write a program to check whether a number is positive or negative?

15. Write a C program to read and display a 3 by 3 matrix.

16. Explain the following string handling functions with example: a. strcpy() b. strcmp() c. strcat() d.strlen()

17. Write a brief note on declaration and definition of a function in C

18. Explain any three pointer opearations with suitable examples.

19. Explain defining and opening of a file in C with syntax and example.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. What are different looping statements in C? Explain with examples.

21. Describe in detail about different types of storage classes in C.

(1 × 10 = 10 Marks)

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