

21U337

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Name:

Reg.No:

THIRD SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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 is an identifier?
2. What is the purpose of conditional operator?
3. Give any four logical operators in C.
4. Distinguish between break and continue statements in C.
5. Define Array.Explain the syntax of array declaration.
6. What are character arrays ? How they are declared in C language ?
7. What is the difference between strcmp() and strcat()?
8. Write a short note on any one category of function.
9. What is the purpose of 'auto' storage class ?
10. What is a pointer variable? How it can be used to access a value?
11. What is 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 in C to check whether a year is leap year or not.
15. Describe the various methods of initializing two dimensional array in C.
16. Write a C program to read and display student details using structure.

17. Write a C program to swap two numbers using function.
18. Write a note on various pointer operations.
19. What is the pupose of fseek(),ftell(),rewind in C ?

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe in detail about various entry-controlled and exit controlled loops in C.
21. Explain the various elements of a function with example.

(1 × 10 = 10 Marks)
