

D 31788

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Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Computer Science

BCS 3C 03—PROBLEM SOLVING USING C

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Answer all questions, each correct answer carries a maximum of 2 marks.**Ceiling 20 Marks.*

1. What are C Tokens ?
2. What is a Variable ? What are the rules for naming a variable ?
3. What is the use of break and continue statement in C ?
4. Explain with example ++i and i++ .
5. Define conditional operator.
6. Explain getchar() and putchar() ?
7. What is an Array ? What are the different types ?
8. Explain the syntax for defining a structure.
9. Explain function prototyping.
10. Explain recursion with example.
11. Give the meaning of declaration: int *ptr;
12. Give syntax for opening a file.

Section B (Short Essay Type Questions)*Answer all questions, each correct answer carries a maximum of 5 marks.**Ceiling 30 Marks.*

13. Explain about the data types in C.
14. Explain operators in C.

Turn over

15. Explain looping statement in C.
16. Explain storage classes in C.
17. What do you mean by call by value and call by reference ?
18. Write note on dynamic memory allocation.
19. Explain string-handling functions in detail.

Section C (Essay Type Questions)

*Answer any **one** question, correct answer carries 10 marks.*

20. Explain about decision-making and branching statements using if and conditional operator with examples.
21. Explain the structure of a C program with example.

(1 × 10 = 10 marks)