

D 103741

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Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2024**

Computer Science

BCS 2B 02—PROBLEM SOLVING USING C

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type)*All questions can be answered.**Each question carries 2 marks.**(Ceiling 20 marks)*

1. What do you mean by IDE ?
2. Explain type casting.
3. Write a note on the datatype INT.
4. Explain relational operators in C with examples.
5. What do you mean by library functions ?
6. Write on any *two* functions defined in <conio.h>
7. List out the names of different branching statements.
8. Explain conditional operator ?
9. What do you mean by modularisation.
10. How do you create a structure variable ?
11. How do you access the address of a variable ?
12. Which are the different modes for a file.

Turn over

Section B (Paragraph/Problem Type)

*All questions can be answered.
Each question carries 5 marks.
(Ceiling 30 marks)*

13. Explain symbolic constants.
14. State any *five* library functions its usage and syntax.
15. Explain switch statement.
16. Write a c program to display odd numbers up to 'n'
17. Explain the different type of variables and their scope.
18. Explain union.
19. Write a note on files.

Section C (Essay Type)

*Answer any **one** of the following questions.
The question carries 10 marks.*

20. Explain the structure of a C program.
21. Explain the significance of structure and how it is implemented in C.

(1 × 10 = 10 marks)