



'समानो मन्त्रः समितिः समानी'

**UNIVERSITY OF NORTH BENGAL**

BCA Honours 1st Semester Examination, 2021

**CC1-BACHELOR OF COMPUTER APPLICATION**

**PROGRAMMING IN C**

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Answer all questions with internal choices.*

**GROUP-A**

**Answer any five questions from the following**

1×5 = 5

1. Give any two differences between compilers and interpreters.
2. What are pre-processor directives?
3. What are bitwise operators available in C?
4. What is recursion?
5. What are keywords?
6. What are primitive data types?
7. What are non-primitive data types?
8. What is an identifier?

**GROUP-B**

**Answer any three questions from the following**

5×3 = 15

9. What are enumerated data types? Give an example.
10. What does a storage class mean? Discuss different storage classes available in C.
11. Explain the use of break and continue statement in loops with example.
12. What is a structure? Explain the syntax of structure declaration with example.
13. What is dynamic memory allocation? Write and explain the different dynamic memory allocation functions in C.

**GROUP-C**

**Answer any *two* questions from the following**

**10×2 = 20**

14. List all conditional control statements used in C. Explain any two with syntax and example.
15. What is an operator? Explain the arithmetic, relational, logical and assignment operators in C language.
16. Explain the different kinds of loops available in C with examples.
17. Explain array of structures and structure within a structure with examples.

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