

7. Define String. How string is declared and initialized?
Explain string input/output functions with an example.
8. Describe the concept of dynamic memory allocation
with its function.
9. Explain the concept of file handling in C. Write a C
program to copy the contents of one file to another.

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Roll No. :

BCA-1002T

BCA (FYUP) (Semester-I) (NEP) Examination, 2025-26

C PROGRAMMING

[Paper : Second]

Time : 2 Hours]

[Maximum Marks : 75

- Note :** 1. This paper consists of three sections- A, B and C.
Attempt questions from **all** sections as directed.
2. The candidates are required to answer only in serial
order. If there are many parts of a question, answer
them in continuation.
3. "B" copy will not be provided.

Section-A

(Short Answer Type Questions)

Note : There are **nine** questions in this section. Attempt **all**
questions. Each question carries **5** marks. [9×5=45]

1. (a) What is a Token? What are the different types of tokens available in C language?
- (b) Explain formatted input and output statement with examples.
- (c) What is the difference between ++i and i++ in C?
- (d) Explain the basic structure of a C program with an example.
- (e) Write a C program in C to find the area and perimeter of a circle.
- (f) Differentiate between struct and union in C.
- (g) What is Preprocessor directive? Explain #define and #include preprocessor directives.
- (h) Define Variable. Explain the rules for constructing variables in C language.
- (i) Define Flowchart. Explain with an example.

Section-B

(Long Answer Type Questions)

Note : There are **four** questions in this section. Attempt **any one** question. Each question carries **15** marks.

[1×15=15]

2. List all the operators used in C. Give examples.
3. Write a calculator program in C language to do simple operations like addition, subtraction, multiplication and division. Use switch statement in your program.
4. Define a Function. List and explain the categories of user defined functions.
5. Explain with syntax, if, if-else and nested if-else statements in C programming.

Section-C

(Long Answer Type Questions)

Note : There are **four** questions in this section. Attempt **any one** question. Each question carries **15** marks.

[1×15=15]

6. What is Array? Explain the declaration and initialization of one dimensional and two dimensional array with an example.