

6. What is Pointer ? Explain pointer arithmetic in detail.
7. What is Variables in C? Differentiate between Global and Local and Static variables.
8. Explain structure in detail. Explain the difference between Structure and Union.
9. What is File? Write some file functions with appropriate example.

----- X -----



Roll No. :

Total No. of Questions : 9] [Total No. of Printed Pages : 4

BCA-1002

BCA (Semester-I) (NEP) Examination, 2024-25

(Major)

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 : All questions of this section are **compulsory**. Each question carries **5** marks. [9×5=45]

1. (a) Explain different types of programming language.
(b) Define Keywords in C programming.
(c) Write a C program to find area of circle.
(d) Explain with examples Unformatted input and output statements in C.
(e) Write a C program to print Fibonacci series.
(f) What is Library function? Explain with example.
(g) Explain Bitwise Operators.
(h) Why we use break statement in program?
(i) Explain pointer array.

Section-B

Long Answer Type Questions

Note : This section is consists of four questions. Attempt **any one** question. Each question carries **15** marks. [15×1=15]

2. What is Loop in C? Explain all loops with example.
3. (a) Explain Switch statement with suitable example.
(b) Write a Program to find the reverse of any number.
4. What is an Array? Explain 2-dimensional array.
5. What is Searching ? Explain Binary search in detail.

Section-C

Long Answer Type Questions

Note : This section is consists of four questions. Attempt **any one** questions. Each question carries **15** marks. [15×1=15]