47721/A0210

Reg. No. | | | | | | | | | |

I Semester B.C.A. 6. (NEP) Degree Examination, March/April - 2023
PROGRAMMING IN C
(Repeaters/Regular)

Time : 3 Hours **Maximum Marks : 60**

Instructions to Candidates : *Answer the questions as per the instructions given.*

1. Answer any **six** questions of the following. **(6×2=12)**

a. What are the tokens in C? Give example.

b. Write the difference between gest () and puts () in C.

c. What is the use of Assignment operator? Give example.

d. Write the syntax of if - else statement in C.

e. Define Array.

f. Write the syntax of tolower ( ) function in C. Give example.

g. Define function in C. Write its syntax.

h. What is the difference between structure and union?

2. Answer any **three** questions of the following. **(3×4=12)**

a. Explain the features of C.

b. Explain scanf and printf functions in C.

c. Define identifier in C. Write its rules.

d. write a C program to find simple interest.

3. Answer any **three** questions of the following. **(3×4=12)**

a. Explain increment and decrement operators in C along with example.

b. Write a C program to find factorial of a given number.

c. Explain switch statement along with syntax and example.

d. Write the syntax of for loop. Explain it.

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4. Answer any **three** questions of the following. **(3×4=12)**

   a. Define one dimensional array. How you are declaring and initializing one dimensional array in C?

   b. Write a C program to find the trace of a square matrix.

   c. Discuss any four string functions with syntax and example.

   d. Write a C program to read two strings to demonstrate string functions.

5. Answer any **three** questions of the following. **(3×4=12)**

   a. Write a C program to demonstrate the difference between struture and union.

   b. Write a short note on structures.

   c. Explain the different categories of user - defined functions.

   d. Write a C program to generate n-Fibonacii sequence using function.