BCA I Semester Degree Examination, March/April - 2023
COMPUTER SCIENCE
Programming in 'C'
(NEP)

Time : 2 Hours   Maximum Marks : 60

Note : *Answer **all** sections.*

SECTION - A

I.   **1.**   Answer **all** the questions. Each question carries **1** mark.   **10x1=10**

     (a)   Who developed C language ?

     (b)   How much memory required to store integer value ?

     (c)   Write symbol for address operator.

     (d)   Mention any two jump controls in C language.

     (e)   What is an array ?

     (f)   Define String.

     (g)   Write any two advantages of user defined functions.

     (h)   Define Pointer.

     (i)   Which Operator is used to access structure members in structure ?

     (j)   What is Union ?

SECTION - B

II.   Answer **any 4** questions. Each question carries **5** marks.   **4x5=20**

   2.   Write Structure of a C program.

   3.   Explain different Logical Operators in C.

   4.   Mention types of array. Explain any one type of array.

   5.   Write Syntax to declare and initialize pointer.

   6.   Differentiate between Structure and Union.

   7.   Write Syntax and flowchart for if else statement.

SECTION - C

III. Answer **any 3** questions. Each question carries **10** marks.   **3x10=30**

   8. Explain characteristics of C language.

   9. (a) Write a program in C to find biggest 3 numbers.

      (b) Differentiate between while loop and do-while loop.

   10. Explain different String handling function in C.

   11. Explain any two types of user defined functions.

   12. How to define a Structure and Union ? Explain with example.

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