BAKLIWAL FOUNDATION
College of Arts, Commerce & Science
Bachelor of Computer Application (BCA)
Preliminary Examination -2023
Paper IV – C Programming

Time – 3 hrs.   Total Marks – 80

Note - 1) All Questions are compulsory and carry equal marks.
2) Draw neat and labelled diagram whenever necessary.

Q.1   Long Answer. (Any one out of two)   **1x12=12**

   a)   Explain the programing structure of C program with example.

   b)   Explain development tools in C language

Q.2   Long Answer. (Any one out of two)   **1x12=12**.

   a)   Explain operates in C language. Explain all types of operator with example.

   b)   Explain:

        (I) Selection Statement

        (II) Iteration Statement

        (III) Jump Statement

Q.3   Long Answer. (Any one out of two)   **1x12=12**.

   a)   What is string? Explain string manipulation with example.

   b)   Explain all storage classes.

Q.4   Long Answer. (Any one out of two)   **1x12=12**.

   a)   What is array? Explain the declaration & initialization of one dimension and two-dimensional array with suitable example.

   b)   What is function? Give details about function components. Also explain the type of function with example.

Q.5   Short Note. (any four out of six)   **4x5=20**

   a)   Explain recursive function? Write a "C" program to calculate the factorial of number using recursive function.

b) Explain structure with example

c) Write a C program to print the prime number between 1 to 1100 using break statement.

d) Explain pointers? Explain the use of address operator (&), pointer variable, with suitable example.

e) Explain union in C programming language.

f) Explain difference between structure and union

Q.6 Short Note. (Any four out of two)   **6x2=20**

a) Explain advantage and disadvantage d C programing language.

b) Define flow chart with example

c) Explain file handling.

d) What do you understand by variable? Explain its types.

e) Explain datatypes with example.

f) Explain:

     (i) Keywords

     (ii) Token

     (iii) Identifier

     (iv) Qualifier

****