Bachelor of Computer Application (BCA) 1st Sem.
(Batch 2022-25)

INTRODUCTION TO PROGRAMMING C

Paper—I

Time Allowed—3 Hours]   [Maximum Marks—75

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The fifth question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. (a) Why C is called middle level language ?

    (b) What is keyword ? List various keywords of C. Write the use of any five keywords.

2. (a) Explain data types of C.

    (b) Which are unformatted Input functions ?

SECTION—B

3. Compare the following statements of C. Also give an example of each :

    (a) while and for

    (b) break and continue.

4. Write a program to check if a number given by user is Palindrome or not.

SECTION—C

5. (a) What is a string ? Explain any five string manipulation functions.

    (b) Write a program to get a string from user and count number of vowels in it.

6. What is Recursion ? Write a program to find factorial of a given number using recursive function.

SECTION—D

7. What is structure in C ? Which are types of structures ? Explain the uses of structures. Give an example.

8. What is a pointer ? How are pointers helpful in accessing an array ? Explain call by reference.