

**Bachelor of Computer Application (BCA) 1st Sem.
(Batch 2023-26) (CBGS)**

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. What is difference between keyword, data type, constant, variable and expression ? Give an example of each.
2. Explain different types of operators available in C. Explain any four types. Also write about operator precedence.

SECTION—B

3. Write a program to find the roots of a quadratic equation.
4. Explain the differences between switch, break and continue statements.

SECTION—C

5. Which are different ways to pass arguments to a function ? Give differences between call by value and call by reference.
6. Write a program to sort an array of n elements in descending order.

SECTION—D

7. Which are different types of user-defined data-types in C ? Give an example of each. Also give various differences between these.
8. What is a pointer ? Which are various uses of pointers ? Which are different types of pointers ?