

No. of Printed Pages : 1 **BCSL-058(Set-III)**

**BACHELOR OF COMPUTER
APPLICATIONS (BCA) (REVISED)**

Term-End Practical Examination

December, 2024

**BCSL-058(Set-III) : COMPUTER ORIENTED
NUMERICAL TECHNIQUES LAB**

Time : 1 Hour

Maximum Marks : 50

Note : (i) *There are two questions in this paper and both are compulsory.*

(ii) *Each question carries 20 marks.*

(iii) *Rest 10 marks are for viva-voce.*

1. Write a C/C++ program to implement Bisection method for finding the positive root of the equation $x^2 - 9x + 21 = 0$. Make suitable choice for the bounds. 20
2. Write a program in C/C++ to find the solution of the system of linear equations (given below), by using Gauss Elimination method : 20

$$l + m + n = 2$$

$$l - 2m + 3n = 14$$

$$l + 3m - 6n = -23$$

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