

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

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

Term-End Practical Examination

December, 2024

**BCSL-058(Set-I) : 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 program in C/C++ to implement Secant method to find roots of a non-linear equation. 20
2. Write a program in C/C++ to determine the approximate value of the definite integral (I) by using Trapezoidal rule : 20

$$I = \int_0^2 \frac{dx}{(1+x^2)}$$

using three nodal points.

× × × × × × ×