BCSL-058 (Set-4)

BACHELOR OF COMPUTER APPLICATION (REVISED) BCA

Computer Oriented Numerical Techniques Lab

Duration: 1 Hr.   Maximum Marks: 50

Note: 1. There are two questions in this paper and both are compulsory.

2. Each question carries 20 marks. 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 to approximate the value of a definite integral using Trapezoidal rule and use it to approximate the value of $\int_1^4 (x^2+2)\, dx$ with

h = 1.0.   20

******