BCSL-058 (Set-2)

BACHELOR OF COMPUTER APPLICATIONS (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 Gauss-Seidal method for finding the roots of linear equations.   20

2.   Write a program in C/C^{++} to approximate the value of a definite integral using Trapezoidal rule and use it to approximate the value of: 20

$$\int_2^6 (x^3+2x^2+7)\,dx$$

Assume h = 1.0

******