

BCSL-058 (Set-3)

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 C/C++ program to implement Regula-Falsi method to find root of a non-linear equation. 20
2. Write a program in C/C++ to implement Simpson's $\frac{1}{3}$ formula to approximate the value of a definite integral. Further, use it to approximate the value of $\int_0^2 dx/(1+x^2)$ using three nodal points. 20
