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SET - 2

BACHELOR OF COMPUTER APPLICATIONS
BCA (REVISED)
01474
Term-End Practical Examination

December, 2013

BCSL-058 : COMPUTER ORIENTED NUMERICAL TECHNIQUES LAB

Time allowed : 1 hour *Maximum Marks : 50*

Note : *(i) There are **two** questions in this paper, both are **compulsory**.*
*(ii) Each question carries **20** marks.*
*(iii) **10** marks are for **viva-voce**.*

1. Write a programme in C, to demonstrate the concept of "LINEAR INTERPOLATION". Use the programme written by you, to find the value at any point lying between the coordinates of the nodal points entered by you. **20**

2. Write a programme in C, to find the solution of following system of equations, by using "Gauss-Elimination Method". **20**

$$4x + y + z = 4$$

$$x + 4y - 2z = 4$$

$$-x + 2y - 4z = 2$$