**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Quiz-3**

**Full Marks:15 Time: 20 Mins, Set-B**

1. Find the value of *y* for *x=3.5* using second order Lagrangian interpolation method. Also find the change of Y between X=1.5 and X1=3.5.  **15**

|  |  |  |
| --- | --- | --- |
| **Sl.** | **X** | **Y** |
| 1 | 1 | 2.2 |
| 2 | 2 | 10.6 |
| 3 | 3 | 17.0 |
| 4 | 5 | 22.4 |
| 5 | 7 | 25.8 |