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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Summer 2015**

**Quiz-1**

**Full Marks:15 Time: 20 Mins**

1. **For and with *x0=0.9 using Newton-Raphson* Method (show all the steps). 15**

**Table 1**

|  |  |  |  |
| --- | --- | --- | --- |
| **Iteration**  **Count** | **Xi** |  | **f`(xi)** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |

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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Summer 2015**

**Quiz-1**

**Full Marks:15 Time: 20 Mins**

1. **For and with *xl=-0.9 and xu=0.9* fill table 1 using false position**

**Method (show all the steps). 15**

**Table 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Iteration**  **Count** | **xl** | **xu** | **Xr** |  | **f(xr)** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |

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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Summer 2015**

**Quiz-1**

**Full Marks:15 Time: 20 Mins**

1. **For and with *xl=-0.9 and xu=0.9* fill table 1 using Secent**

**Method (show all the steps). 15**

**Table 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Iteration**  **Count** | **xl** | **xu** | **Xr** |  | **f(xr)** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |