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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Quiz-3**

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

1. Solve the following system using Gauss elimination method: **15**

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**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Quiz-3**

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

1. Find the value of the constants *k1* and *k2* of the linear regression model considering below Table 1. Also find the linear regression carve through the data points. **15**

Table 1

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **V1** | **V2** |
| 1 | 3 | 4.9 |
| 2 | 3.7 | 5.2 |
| 3 | 4.3 | 6.4 |
| 4 | 4.9 | 7.4 |
| 5 | 5.3 | 8.1 |

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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Fall 2014**

**Quiz-4, Section-1**

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

1. If , then find the forward, backward and central difference approximation for Also compare the results. **15**