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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Fall 2014**

**Quiz-4, Section-1**

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

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

**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. Solve the following system using LU decomposition method: **15**

**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**