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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Summer 2014**

**Quiz-3, Section-1, Set-A**

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

1. Using forward divided difference find the acceleration of a rocket at t=13 sec where velocity can be given by,

6

1. Employ LU decomposition to determine the inverse of the below matrix: 9

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

**Department of Computer Science and Engineering**

**CSE330: Numerical Methods  
Summer 2014**

**Quiz-3, Section-1, Set-B**

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

1. Use Gaussian elimination technique to solve the below system: 7
2. Using central divided difference find the acceleration of a rocket at t=17 sec where velocity can be given by, 8