**Name:**

**ID:**

**Department of Computer Science and Engineering**

**CSE 330: Numerical Methods**

**Quiz 3**

**Full Marks: 15 SET A**

(3+12=15)

1. Is it possible to find the inverse of the matrix X using LU decomposition? If not, why?

|  |  |
| --- | --- |
| X=34 | 65 |
|  |  |

Given a System of Linear equations:

Find the inverse of the co efficient matrix using LU Decomposition and solve the system of linear equations