**CLL:113-Tut-2**

***Q1. Gauss Elimination With Partial Pivoting:***

(a) Write a general program for Gauss elimination with partial pivoting.

1. With the new program solve the following set of equations.

− 3x2 + 7x3 = 2

x1 + 2x2 − x3 = 3

5x1 − 2x2 = 2

(c) Check your results

***Q2. Gauss Jordon Elimination:***

Q1. While solving if you write an augmented matrix of the form

and perform Gauss-Jordon steps you end up with

(a)Write a general program and solve the following matrix equations with the help of Gauss Jordon technique:

(b)Evaluate from the same program and write a subroutine to check