Assignment – 4

1. Construct a PDA for the language L= {xnymzn / m,n ≥ 1}

2. Show that language L={w/ w{a,b,c}\* where na(w)=nb(w)=nc(w)} is not context free language

3. Construct a Turing machine that accepts a’s and b’s , where each string contains even number of a’s and odd number of b’s.

4. Explain the steps of pumping lemma for context free language and the application of pumping lemma for CFL.

5. Construct a Turing machine that accepts a’s and b’s where the length of each string is at least three.