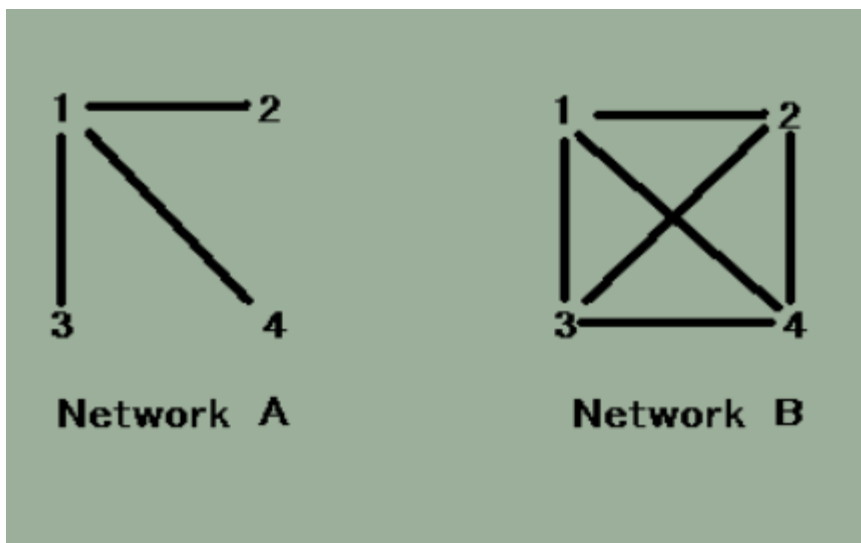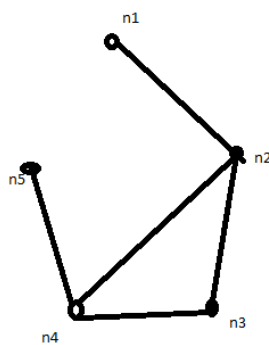# Assignment – I for Unit – II

Important Note: Deadline: 26/2/18, will not be extended and 5 marks will be added to UT2, you will be evaluated only for 45 Marks in UT2

1. For each of the network given below, calculate the three centrality indexes
   i)   Degree Centrality
   ii)   Closeness Centrality
   iii)   Betweenness Centrality

Note : Do for entire graph (not for each node)

2. For the following Graph:

   i)   Calculate the minimum communication link between each pair
   ii)   Identify the most prominent person
   iii)   Calculate the measure of involvement of the most prominent person in the communication between the others
   iv)   Identify the density of the network