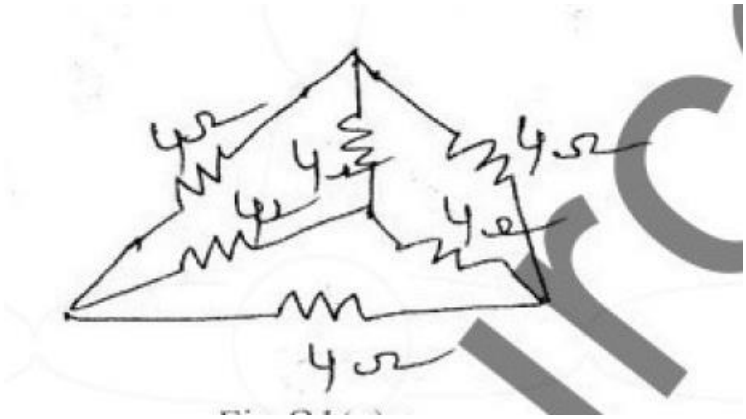
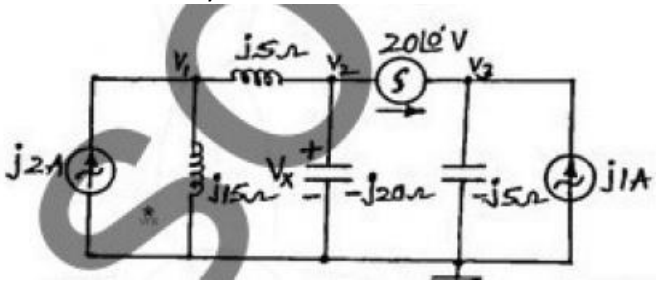
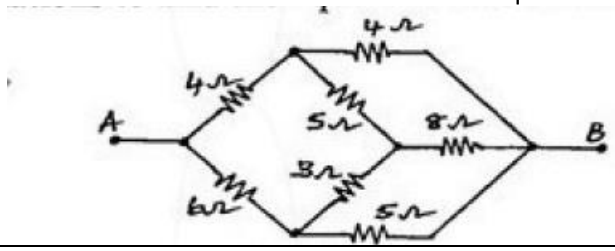
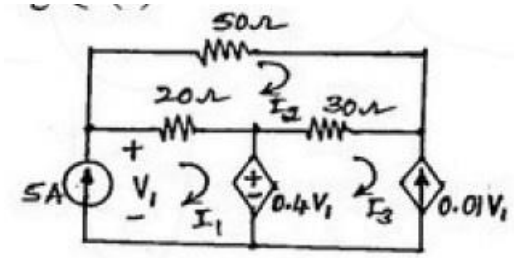
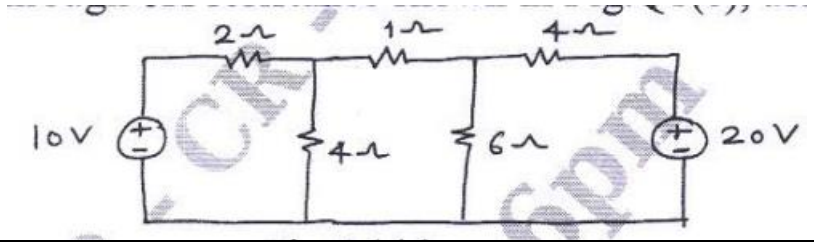
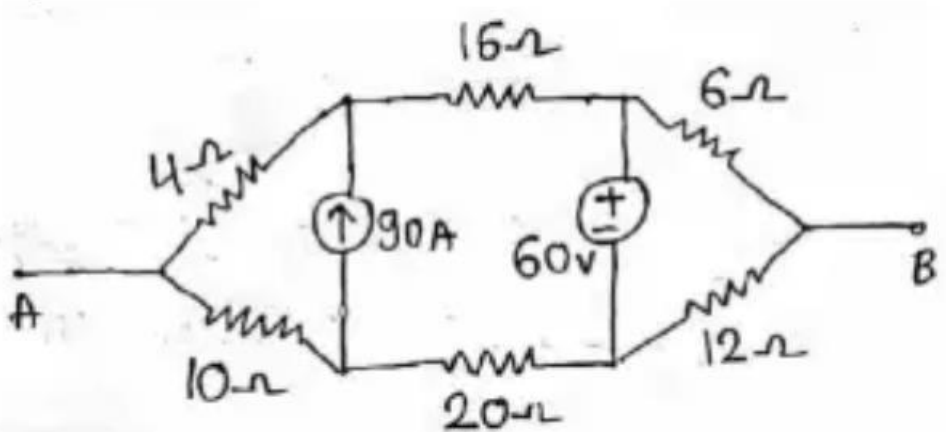
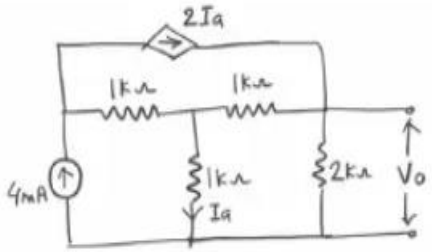
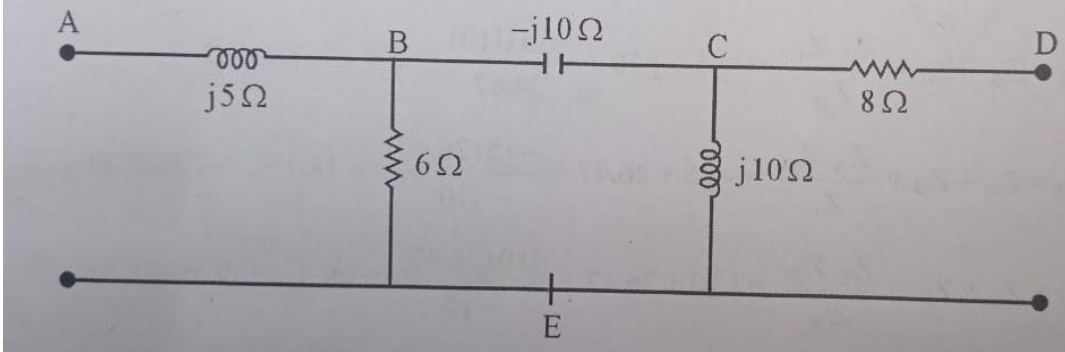
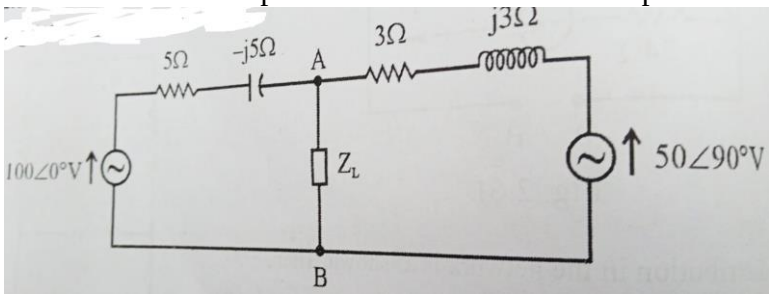
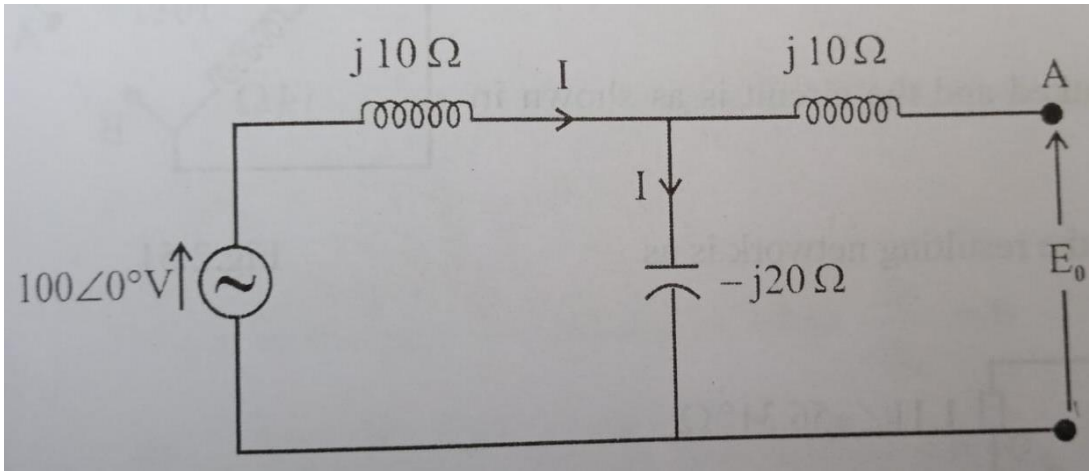
Assignment 1

1	Explain classification of electrical networks	
2	Three resistances are connected in delta obtain the star equivalent of the circuit	
3	Obtain the equivalent resistance between any two points 	
4	Use the Nodal analysis and find Vx 	
5	Define and explain Super mesh	
6	Use Star Delta Transformation to obtain equivalent Circuit 	
7	Define Controlled sources and mention its types and applications	
8	Find V1 	

9	Determine the current through 6 Ohm Resistor  	
10	Reduce the network using Source shifting and source Transformation  	
11	Determine Vo using Mesh analysis  	
12	**Obtain the delta connected equivalent network for the network shown in Fig.1.41 (Bangalore University)**  Fig.1.41	

13	Explain the following Theorems 1. Thevenins Theorem 2. Superposition Thereom 3. Nortons Theorem 4. Maximum Power Transfer Theorem including all the 3 conditions	
14	Find the Maximum power Transfer to the load impedance Z_L 	
15	Obtain Nortons and Thevenins Equivalent Circuit across AB. 	
16	Find the Nortons and Thevenins Theroem across AB