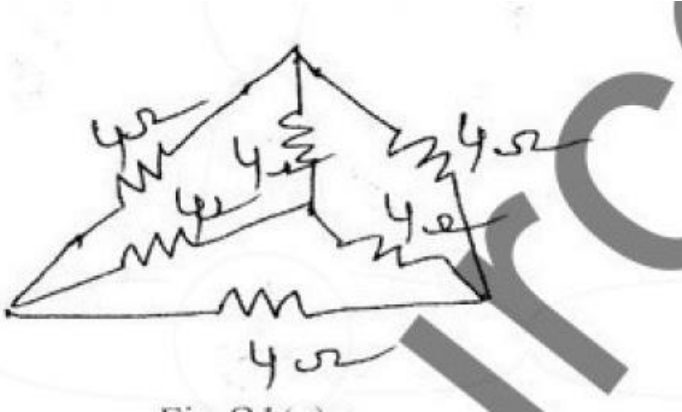
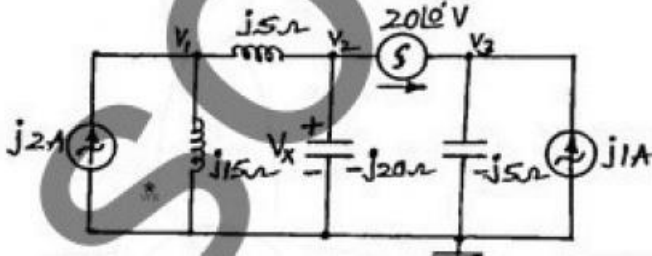
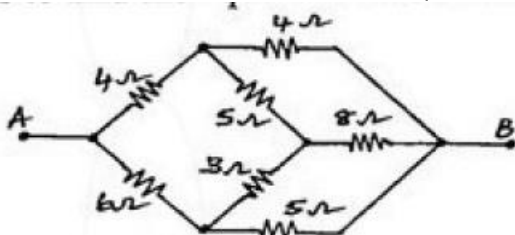
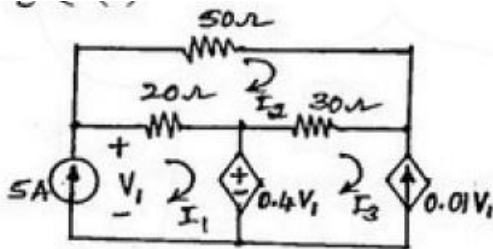
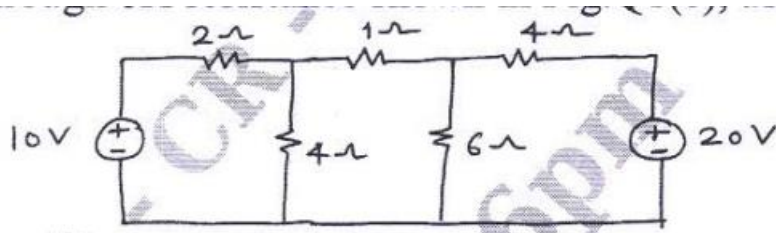


# Assignment 1

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 $V_x$	
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 $V_1$	

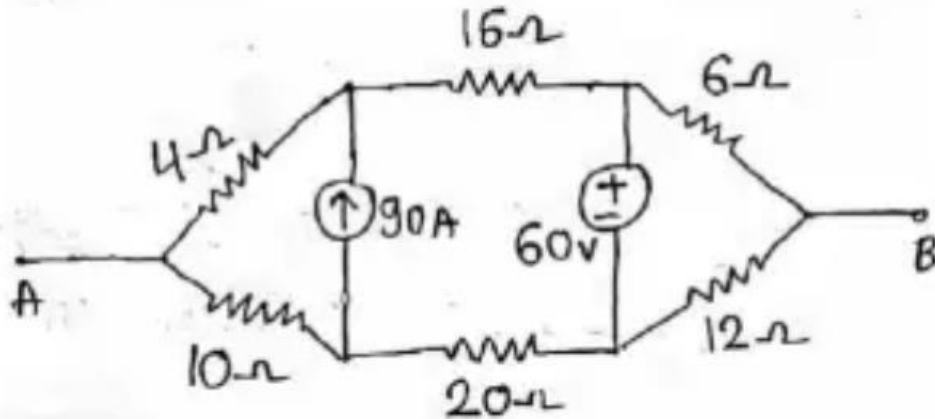
9

Determine the current through 6 Ohm Resistor

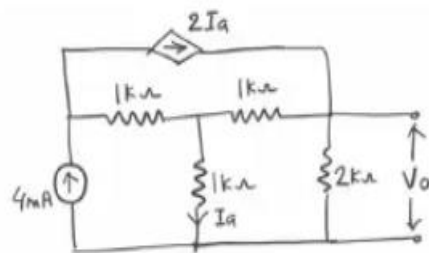


10

Reduce the network using Source shifting and source Transformation



11

Determine  $V_o$  using Mesh analysis

12

Obtain the delta connected equivalent network for the network shown in Fig.1.41 (Bangalore University)

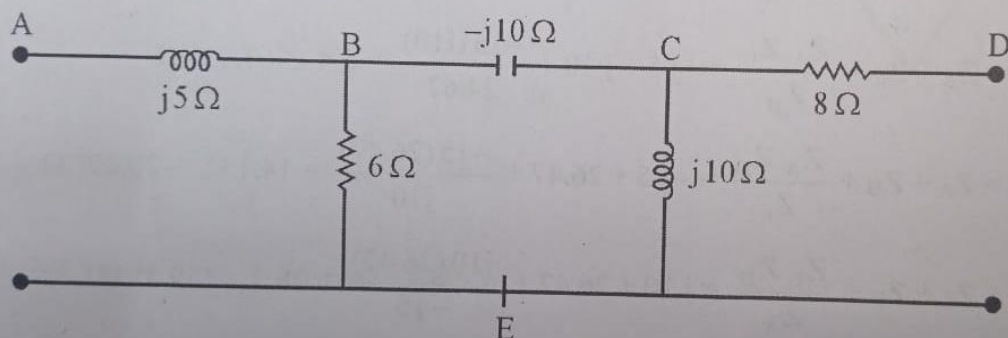


Fig. 1.41