

Morning session

Date : June 3

Topic : Network analysis

Repository - Rashmi.k

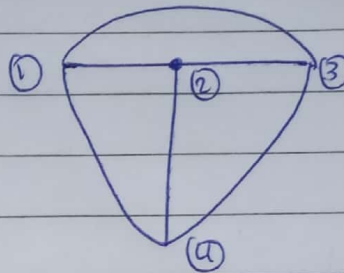
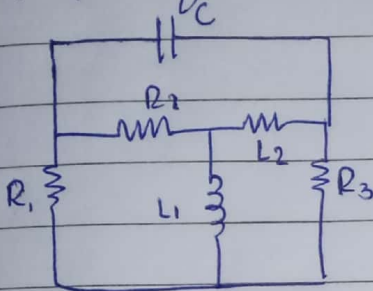
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Sem - IV Sem.

Report :

Graph of a network :



Branch - all the elements

Nodes - Terminal of branches are called nodes

Degree of nodes - no. of branches connected to single node

Tree branch - all the branch of Tree

Tree link - The remaining branch of tree branch in graph

N - no. of nodes in a graph, so the no. of things will be $(N-1)$

L - no. of links in a graph

$$L = B - (N - 1) = B - N + 1 \Rightarrow B = \text{total no. of branch}$$

loop -

$$N = 4 \quad \text{Twigs} = 4 - 1 = 3$$

$$L = 6 - 4 + 1 = 3 \Rightarrow \text{no. of links}$$

