

Department of Electrical Engineering

Assignment 2

Date: 09/05/2020

Course Details

Course Title: _____

Module: _____

Instructor: _____

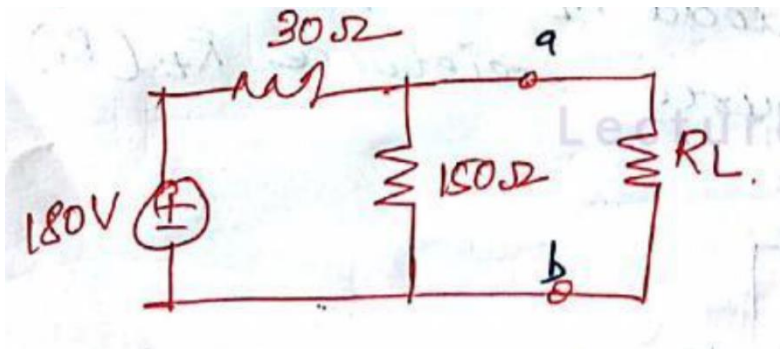
Total Marks: _____

Student Details

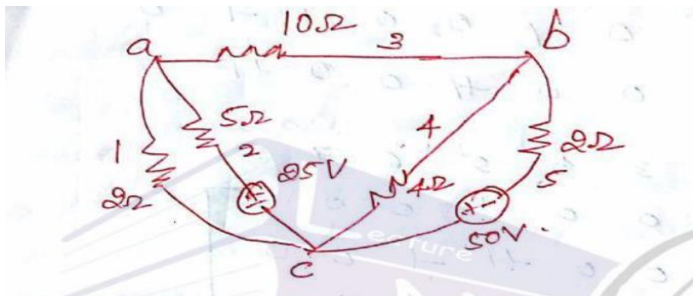
Name: _____

Student ID: _____

Q1 Find the load R_L that will result in maximum power delivered to load for circuit in figure also determine maximum power P_{max} ?



Q2 For the network shown in the figure draw the graph select 2 and 4 as tree branches. Draw tie-set matrix. Write down equilibrium equations with loop currents as variables. Solve these equations and find various branch voltages and current.



Q3	Define the following terms with respect to the network topology. Give examples as well Tree Graph Subgraph Tie Set Cut Set
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