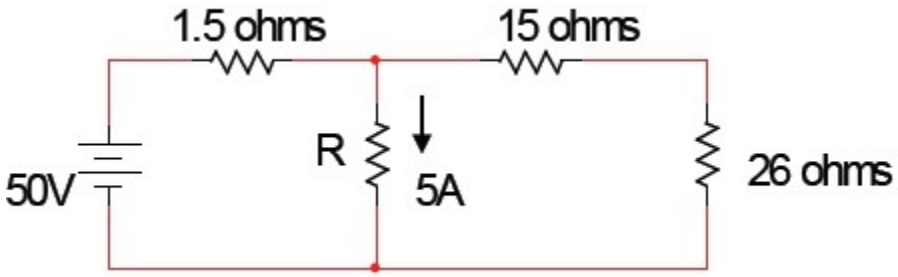
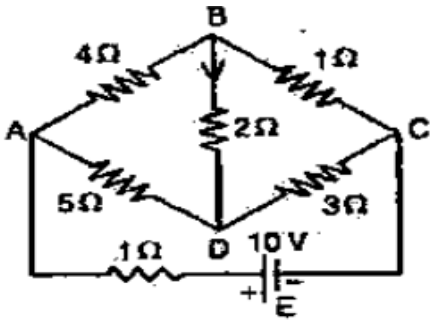
ACADEMIC YEAR 2022-23
spring SEMESTER
Activity 1(PROBLEM SOLVING)

Basic Electrical Engineering (ee10002)

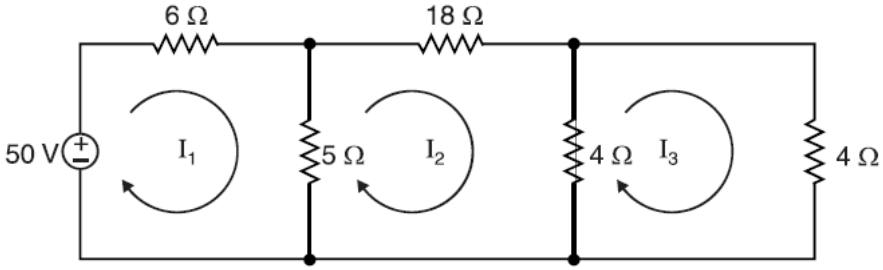
1) Find the value of R.



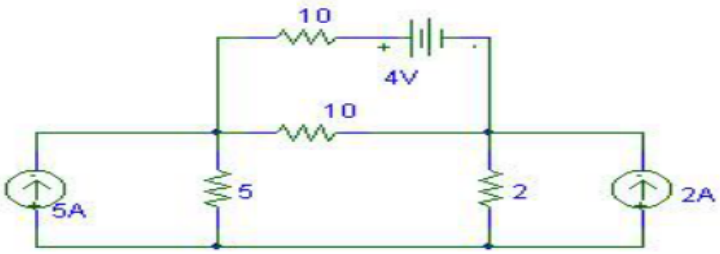
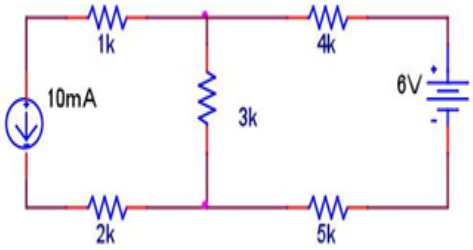
2) Determine the total current delivered by the battery using Delta-star conversion?



3) Find the mesh currents i1,i2, i3 by mesh analysis?



4) . Solve for the current through the 5 ohm resistor using Node-Voltage Method/Nodal analysis?



Q.5) Find the current in the 3 Kohm resistor using Superposition theorem?