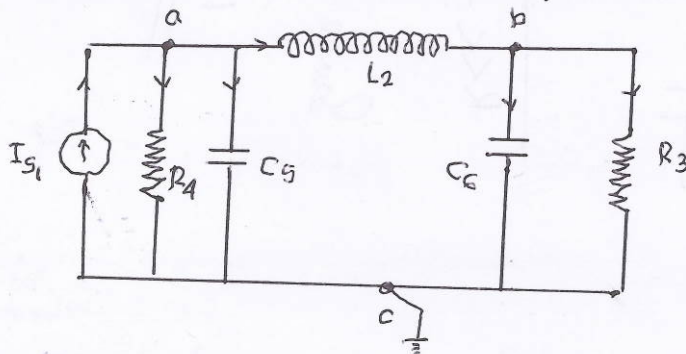**MAHINDRA ECOLE CENTRAL**

EE 101 INTRODUCTION TO ELECTRICAL ENGINEERING
First Semester 2014-2015

ASSIGNMENT 3

1.Solve the following network by node and mesh analysis. Asssume zero
initial conditions on inductors and capacitors

2*. Assuming that the initial conditions are zero, solve the following network
by node and mesh analysis method, The controlled voltage source is a
voltage source whose value of voltage is K times the value of the node
voltage V_b which is same as the voltage across the capacitor C_4.Note the
asymmetry in the matrix relating node voltages with the current excitation
and similarly the matrix relating mesh currents to the current excitation.