EE240 Circuits I
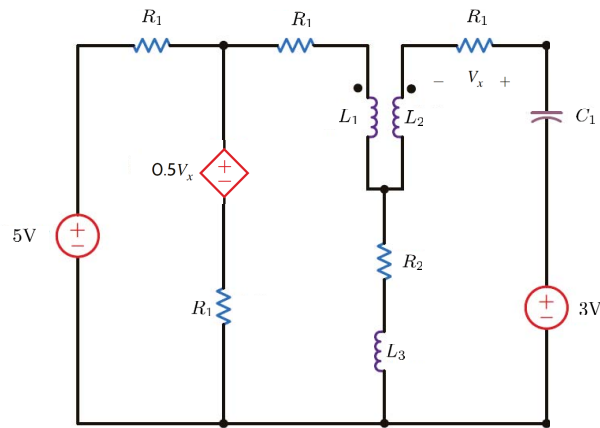**Quiz 03 - Section 1**

Name: _____

Campus ID: _____

Total Marks: 10
Time Duration: 15 minutes

Question 1 (5 marks)

Consider the network in Figure below, where the inductors L_1 and L_2 are coupled with mutual inductance denoted by M. Write down the network equations using Kirchhoff voltage law.

Question 2 (5 marks)

The figure below show windings marked on a magnetic flux-conducting core. Mark the dots on the windings to establish the mutual coupling.