Electrical Circuits Lab

List of Experiments

1) Verification of Kirchhoff's current law and Kirchhoff's Voltage law.
2) Verification of Thevenin's, Norton's and Maximum Power Transfer Theorems.
3) Verification of Superposition theorem.
4) Verification of Compensation Theorem.
5) Verification of Reciprocity and Millmann's Theorems.
6) Time response of first order RL/RC network for periodic non-sinusoidal inputs-time constant and steady state error determination.
7) Series and Parallel Resonance.
8) Determination of Self, Mutual Inductances and Coefficient of coupling.
9) Verification of Z and Y Parameters.
10) Transmission   and hybrid parameters.
11) Measurement of Active Power for Star and Delta connected balanced loads.
12) Measurement of Reactive Power for Star and Delta connected balanced loads.
13) Measurement of 3-phase Power by two wattmeter method for unbalanced loads.
14) Locus Diagrams of RL and RC Series Circuits.