Electrical Machines Lab

S.No	Name of the Experiment
1.	Predetermination of Efficiency & Regulation of 1-phase transformer
2.	Predetermination of Efficiency & Regulation of two identical 1-phase transformers
3.	Determination of Efficiency & Regulation of 1-phase Transformer by direct test
4	Conversion of Three phase to two phase by using two identical transformers
5.	Determination of Stray losses in a DC Shunt Motor by Retardation test
6.	Determination of critical resistance and critical speed of D.C. shunt generator
7.	Predetermination of Efficiency of D.C. shunt machine & Speed control of D.C. shunt motor
8.	Performance characteristics of D.C. shunt motor
9.	Determination of efficiency of DC shunt machine by conducting back to back test
10.	Separation of stray losses in a D.C. shunts motor.
11.	Load characteristics of a separately excited D.C. Generator
12.	Calculation of voltage regulation for a 1-phase transformer using lab-view
13.	Performance characteristics of squirrel cage induction motor
14.	Regulation of 3-phase alternator by synchronous impedance & MMF method
15.	Separation of core losses in a Single Phase Transformer
16.	Plot the circle diagram of three-phase induction motor
17.	Plot the V & inverted V curves of a synchronous motor
18.	Calculation of equivalent circuit parameters for a single-phase induction motor
19.	Regulation of three-phase alternator by ZPF Method, ASA and MMF
20.	Determination of efficiency and regulation of three-phase alternator by direct test
21.	Performance characteristics of single phase induction motor
22.	Performance characteristics of three-phase slip ring induction motor
23.	Calculation of direct and quadrature axis reactances of a salient pole synchronous machine
24.	Torque-Speed characteristics of Induction motors using Lab- view
25.	Speed control of Induction motor using MATLAB / Simulink