

Electrical Machine -II

List of Experiments:

1. To perform the 'Running light' and 'blocked rotor' tests on a single-phase induction motor (capacitor start type) and to derive its equivalent circuit
2. To draw the torque slip characteristic of a three phase induction motor
3. To measure the direct axis and quadrature axis synchronous reactance of a synchronous machine by slip test
4. To study the performance of the 3-phase induction motor by no load test and blocked rotor test and also draw its equivalent circuit.
5. Regulation of a 3-phase alternator by synchronous impedance method.
6. Determination of V curves of a 3-phase synchronous Motor
7. To perform the Sumpner's back to back test on two single-phase transformer direct configurations.
8. To conduct load test on a DC shunt motor and to find its speed torque characteristics and efficiency