

Basic Electrical Lab



Major equipment

1) Induction Motor

(2.2KW, 3H.P, 415V, 50 Hz, 1425 rpm, 5A)

2) DC Shunt Motor

(220V, .5H.P, 2.9A , 1500 rpm)

A Brief write-up

In Basic Electrical Lab two number of code ES-191, ES-291 are performed . In these code the following Experiments has been conducted.

- i) Characteristics of Fluorescent lamps
- ii) Characteristics of Tungsten and Carbon lamps
- iii) Verification of Thevenin's Theorem
- iv) Verification of Superposition Theorem
- v) Calibration of Ammeter and Wattmeter
- vi) Study of R-L-C series circuit
- vii) Starting and Reversing speed of a D.C shunt motor
- viii) Speed Control of a DC. Shunt Motor
- ix) Test on single phase Energy Meter
- x) Familiarization of PMMC and MI type Meter
- xi) Different types of starting 3-ph Induction Motor