

Course: Fundamentals of Electrical Engineering
Semester: II
Nature of Course: Practical + Tutorial

Course Code: BFT 156 (B)
Teaching hours: 32
(Tutorial: 1 h, Lab: 3 h per session)

Credit Hour: 1
Full Marks: 25

List of practical for laboratory session

1. Verification of Ohm's Law.
2. Series and parallel circuit analysis.
3. Verification of Kirchhoff's Law.
4. Verification of superposition theorem.
5. Verification of maximum power transfer theorem.
6. Verification of reciprocity theorem.
7. Analysis of RL, RC series circuit.
8. Analysis of RL, RC parallel circuit.
9. Measurement of power in single-phase circuit.
10. Measurement of line and phase voltage in Star and Delta connection.
11. Transformation ratio test of single-phase transformer.
12. Measurement of speed (rpm) of DC Motor.
13. Measurement of rotor's EMF, frequency of rotor's EMF, and slip of three phase induction motor.

Unit wise marks distribution for the final exam

Unit	Title	Total (%)
1	DC Fundamentals	20
2	DC Network Analysis	25
3	AC Fundamentals	35
4	Electrical Machines	20
Total		100%