

**DEPARTMENT OF ELECTRICAL ENGINEERING
ASSAM ENGINEERING COLLEGE JALUKBARI,
GUWAHATI – 781 013**

**Basic Electrical Engineering Lab
CODE: (EE181117)**

- No.1: Calibration of a Milliammeter as a Voltmeter.**
- No.2: Calibration of a Millivoltmeter as an Ammeter.**
- No.3: Verification of Thevenin's Theorem.**
- No.4: Verification of Maximum Power Transfer Theorem.**
- No.5: Measurement of Power in a single phase AC circuit using Wattmeter.**
- No.6: Measurement of circuit parameters using steady-state condition for RLC circuits.**
- (a) R-L-C Series Circuit.**
- (b) R-L-C Parallel Circuit.**
- No.7: Characteristics of incandescent lamp.**
- No. 8: Study of balanced three phase circuits.**
- No. 9: Demonstration of cut-out sections of Electrical Machines.**
- No.10: Demonstration of Layout of House Wiring.**
- No.11: Demonstration of measurement of insulation resistance.**

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RUBRICS FOR BEE LAB ASSESSMENT

Category	Sub-Category	0-30%	31-60%	61-100%
CONTINUOUS AND COMPREHENSIVE EVALUATION	Attendance and Preparedness (12%)	Student is present but not prepared for lab	Student is present but not well prepared	Student is present and is fully prepared
	Ability to Use Laboratory Apparatus and follow safety protocols (18%)	Not able to handle equipment properly.	Student had destroyed some instruments due to non-compliance with safety standards	Student follows safety standards and handles equipment with care, without causing any damage
RESULT & Analysis	Experimental details (30%)	Missing several important experimental details	Missing some important experimental details	Experimental details are well covered
	Results: data, figures, graphs, tables, etc (20%)	Results contain errors.	Results are well presented but have some errors	Results are well presented without any corrections.
VIVA	Lab Work Conclusion and Answers relates to experiments (20%)	Could not answer anything	Could not answer properly.	Concluded and answered all the questions related to the experiment



