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Department of Electrical Engineering
Basic Electrical Lab

List of Equipments

Sr.No.	Description	Specification	Qty.
1	Regulated power supply	0 - 32 V , 0 - 2 A	8
2	Signal /Function generator	2 MHz	2
3	Cathod ray oscilloscope	30 MHz , 2 Channel , 4 Trace	4
4	Multimeter	Digital	8
5	Step down tranformer	1 KVA , Input- 230 V AC ,Output-110 V AC	2
6	Auto Transformer	3 Phase , 415 V	2
7	Auto Transformer	1 Phase , 230 V	4
8	Rheostat	250 , 1 Amp	8
9	Rheostat	350 , 0.6 Amp	8
10	Rheostat	110 , 2 Amp	8
11	Voltmeter (AC)	MC - 0-50V	4
12	Voltmeter (DC)	MC - 0-50V	4
13	Voltmeter (DC)	MC - 0-10V	8
14	Ammeter (DC)	MC -0- 25 mA	4
15	Ammeter (DC)	MC -0-2.5 - 5A	8
16	Voltmeter (DC)	MC - 0-150-300V	8
17	Load bank	230 V, 10A	4

18	Bridge Rectifier	Expt. Kit	4
19	Full Wave Rectifier		4
20	Half Wave Rectifier		4
21	Thevinin's Theorem		4
22	Mesh & Nodal Analysis		4
23	Superposition Theorm		4
24	R-C Circuit		4
25	R-L Circuit		4
26	R-L-C Circuit		4
27	Diode Characteristics		4

List of Experiments

Sr.No	Name of the Experiment
1	Study of Mesh & Nodal Analysis
2	Verification of Superposition Theorem
3	Verification of Thevenin's Theorem
4	To study the R-L Series Circuit
5	To study the R-C Series Circuit
6	To study the R-L -C Series Circuit
7	To Perform Open Circuit & Close Circuit test on a Single phase transformer



