Basic Electrical and Electronics Engineering Lab

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| **SNO** | **Lab Name** | **Equipment Name** |
| 1 | Basic Electrical and Electronics Engineering Lab | Resistors (10Ω, 100Ω, 150Ω, 470Ω, 1KΩ, 2.2KΩ, 4.7KΩ, 10KΩ, 47KΩ, 100KΩ, 1MΩ) |
| 2 | Basic Electrical and Electronics Engineering Lab | Digital ammeter (0-200mA) |
| 3 | Basic Electrical and Electronics Engineering Lab | Digital ammeter (0-200µA) |
| 4 | Basic Electrical and Electronics Engineering Lab | Digital voltmeter (0-20V) |
| 5 | Basic Electrical and Electronics Engineering Lab | Regulated power supply (0-20V/2A) |
| 6 | Basic Electrical and Electronics Engineering Lab | PN junction diode (1N4007) |
| 7 | Basic Electrical and Electronics Engineering Lab | Zener diode (4V7) |
| 8 | Basic Electrical and Electronics Engineering Lab | Transistors - BC 107, 2N2646, SCR - XL084 |
| 9 | Basic Electrical and Electronics Engineering Lab | DC Shunt motor (3 kW, 220 V, 13.6 A, 1500 rpm) |
| 10 | Basic Electrical and Electronics Engineering Lab | Voltmeter (0-300/600V) MI |
| 11 | Basic Electrical and Electronics Engineering Lab | Ammeter (0-2.5/5 A) MI |
| 12 | Basic Electrical and Electronics Engineering Lab | Ammeter (0-5/10 A) MI |
| 13 | Basic Electrical and Electronics Engineering Lab | Wattmeter (5/10A, 150/300V) LPF |
| 14 | Basic Electrical and Electronics Engineering Lab | Wattmeter (5/10A, 150/300V) UPF |
| 15 | Basic Electrical and Electronics Engineering Lab | Three phase auto transformer (415/0-470V, 20A) |
| 16 | Basic Electrical and Electronics Engineering Lab | Single phase transformer (2kVA, 115 / 230V) |
| 17 | Basic Electrical and Electronics Engineering Lab | Three phase induction motor (3.5 kW, 415V, 7.5A, 1440 rpm) |
| 18 | Basic Electrical and Electronics Engineering Lab | Three phase alternator set (415V, 3A, 1500 rpm) |
| 19 | Basic Electrical and Electronics Engineering Lab | Single phase transformer (2kVA, 115 / 230V) |
| 20 | Basic Electrical and Electronics Engineering Lab | Rheostats (0-370 Ω /1.7 A) |
| 21 | Basic Electrical and Electronics Engineering Lab | Voltmeter (0-150/300V) MI |
| 22 | Basic Electrical and Electronics Engineering Lab | Ammeter (0-2 A) MC |
| 23 | Basic Electrical and Electronics Engineering Lab | Tachometer(0-9999 rpm) |
| 24 | Basic Electrical and Electronics Engineering Lab | Capacitor (47µF) |
| 25 | Basic Electrical and Electronics Engineering Lab | Cathode ray oscilloscope (0-20 MHz) |
| 26 | Basic Electrical and Electronics Engineering Lab | Ammeter (0-20A) MC |
| 27 | Basic Electrical and Electronics Engineering Lab | Voltmeter (0-300) MC |