Subject: Electronics Fundamentals
Practical

S/N	TASK NUMBER	BASIC PRACTICAL TASKS	PERFORMED ON	LEVEL
47.	4-01	Identify the common electronics components/Semiconductor devices and perform its testing by DMM/AMM.	Lab	2
48.	4-02	Measure the voltage and current through a diode in a circuit and verify its forward character tics	Lab	2
49.	4-03	Perform the forwards and reverse bias ofPN Junction through simple circuit	Lab	2
50.	4-04	Determine the load resistance for LEDs across 5V, 12 V DC power supply and operate the LED.	Lab	2
51.	4-05	To plot V-I Characteristics of Zener Diode.	Lab	2
52.	4-06	Construct a simple voltage regulator byusing Zenor Diode.	Lab	2
53.	4-07	Connect the varister diode as a switching device to illuminate a load lamp.	Lab	2
54.	4-08	Construct a circuit to switch a buzzer lamp load using photo diode.	Lab	2
55.	4-09	Fabricate the thirstier as a switching circuit for load operation.	Lab	2

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56.	4-10	Fabricate the half wave, full wave bride rectifier for single phase and three phase input.	Lab	2
57.	4-11	Fabricate the voltage doublers and triflers using simple circuit	Lab	2
58.	4-12	Fabricate the simple clipper and clamper circuit using diode.	Lab	2
59.	4-13	To plot the Characteristics of a BJT in Common Emitter Configuration.	Lab	2
60.	4-14	Construct & test transistor as a switch.	Lab	2
61.	4-15	Construct and test transistor based relay control circuit.	Lab	2
62.	4-16	To study the Characteristics of a Junction Field Effect Transistor (JFET).	Lab	2
63.	4-17	Construct and test and amplifier circuit	Lab	2
64.	4-18	Construct a stable multivibrator using transistor.	Lab	2
65.	4-19	Construct and test inverting and non inverting amplifier using OP AMPs	Lab	2

66.	4-20	Perform the connection of DC synchro (transmitter & receiver) and AC synchro and measure the angular deflection.	Lab	2