List of Electrical Practical (Basic Practical)-Electrical Trade

Name	
RTO	
Enrolment Date	

Practical	Number	Practical Name	Remark	Complete
PR	1	Fixing conduit, switch, outlet based on timber board	Students do themselves	
PR	2	Conduit wiring on board	Students do themselves	
PR	3	Surface wiring on board	Students do themselves	
PR	4	Wiring behind timber wall sheet	Students do themselves	
PR	5	Polarity test of long wiring circuit using three resistors	Students do themselves	
PR	6	Earth ,Active,Neutral Continuity,Polarity, Insulation resistance test of Wiring system	Students do themselves	
PR	7	Earth fault loop impedance measurement	Students do themselves	
PR	8	Test and Tag Practice	Students do themselves	
PR	9	Three phase motor LOTO Practice	Students do themselves	
PR	10	Metallic conduit , PVC Rigid Conduit, Corraguated coduit, water proof and three phase socket outlet installation	Students do themselves	
PR	11	Two ways, three ways Intermediate switch and light installation on timber board	Students do themselves	
PR	12	Loop at the switch fixture on table	Students do themselves	
PR	13	Loop at the light fixture on table	Students do themselves	
PR	14	3 ways switch fixture on table	Students do themselves	
PR	15	Fault finding board	Students do themselves	
PR	16	RCD, RCBO Connection	Students do themselves	
PR	17	Wiring , pulling cable with snake	Students do themselves	
PR	18	Water heater connection	Teacher Demonstration	
PR	19	Observation of thermostat operation	Teacher Demonstration	
PR	20	Illumination study	Students do themselves	
PR	21	Series parallel resistor (Physical and Virtual Lab)	Students do themselves	
PR	22	Series parallel capacitor (Physical and Virtual Lab)	Students do themselves	
PR	23	Magnetic and Relay (Physical+Virtual lab)	Teacher Demonstration + Students do themselves	
PR	24	DOL Starter	Teacher Demonstration + Students do themselves	
PR	25	Single phase motor forward and reverse connection	Teacher Demonstration + Students do themselves	
PR	26	Motor circuit study and virtual lab	Teacher Demonstration + Students do only online themselves	
PR	27	Vernier / Micrometer	Students do themselves	
PR	28	Threading	Students do themselves	
PR	29	Table fan assembly	Students do themselves	
PR	30	Volt meter Ammeter connection	Students do themselves	
PR	31	Transformer practical (Physical+Virtual Lab)	Teacher Demonstration + Students do only online themselves	
PR	32	LOTO Practice	Students do themselves	
PR	33	Fault finding of electrical apparatus	Teacher Demonstration + Students do themselves	

Practical	Number	Practical Name	Remark	Complete
PR	34	AC RLC Circuit (Physical+Virtual Lab)	Teacher Demonstration + Students do themselves	
PR	35	DC Motor prime mover, three phase alternator , transformer connection and operation	Teacher Demonstration	
PR	36	Programmable Logic Controller (Physical+Software operation)	Teacher Demonstration + Students do only online themselves	
PR	37	Jogging (Physical+Software operation)	Teacher Demonstration + Students do only online themselves	
PR	38	Alternative power supply LOTO	Students do themselves	
PR	39	Single phase synchronous motor Circuit board	Teacher Demonstration	
PR	40	Earthing connection	Students do themselves	
PR	41	Solar module/ inverter connection	Teacher Demonstration	
PR	42	Nail finder, Illumination Test in different parts of building rooms	Students do themselves	
PR	43	Electronic circuit board studies and sketches	Students do themselves	
PR	44	Panel board PTLO CPO1 study and sketches	Students do themselves	
PR	45	Telecom cable testing	Students do themselves	
PR	46	Joining telecom terminal	Students do themselves	
PR	47	Making RJ11,12 45 plugs	Students do themselves	
PR	48	Flexible cable termination, socket plug connection	Students do themselves	
PR	49	Cable joining, soldering,crimping,flexible cable	Students do themselves	
PR	50	Materials requirement planning,equipment,material purchase order form, I/N number , cost quotation Bunnings	Students do themselves	
PR	51	Study and testing of light tube fixture with choke	Students do themselves	
PR	52	Ten points testing practical for three phase circuit	Students do themselves	

Note

One practical / week over 52 weeks