



**BANKERS INSTITUTE OF  
RURAL AND ENTREPRENEURSHIP DEVELOPMENT  
RAJENDRANAGAR, HYDERABAD-500 030, A.P.(Regd no.1635/2007)**

**Sponsored by :** Govt. of Andhra Pradesh & Telangana, NABARD, Andhra Bank, Canara Bank,  
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**DOMESTIC ELECTRICIAN DAY TO DAY SCHEDULE**

DAY	TOPIC
1	Introduction to Electricity Effect of Electric Shock on Human Body First Aid Treatment to Electric Shock Victim
2	Electrical graphical symbols & sign Reading of simple drawings Practice of graphical symbols
3	Introduction to Hand tools and Power Tools Electrical hand tools and power tools
4	Do's and Don'ts in electrical field safety from Electricity Types of fires Different types of fire extinguishers
5	Effects of Electric Current Preparation of Test Lamp Find Supply with Test Lamp Line Tester
6	Types of Electric Circuits and Connections Series Circuits, Parallel Circuits
7	Generation, Transmission and Distribution of Power Types of Transformers
8	Electrical Measuring Instruments – Usage Voltmeter, Ammeter, Ohm meter, Frequency meter
9	Introduction to Energy Meter - Single Phase
10	Introduction to Energy Meter - 3-Phase
11	Testing Instruments – Megger, Tong Tester, Clamp Tester and Multimeter
12	Types of Electrical Accessories Connecting of Electrical Accessories
13	Conductors, Insulators, Electrical Joints Different types of Wire / Cables Preparation of Electrical Joints
14	Soldering Practicing Series Lamp Sets, Connections and Joints
15	Preparation Series Testing Lamp Board
16	Types of Earthing Pipe Earthing Plate Earthing
17	Main Breakers / Circuit Breakers ELCB, DPIC, TPIC Main Switches
18	Fuse, MCB, 1,2,3 – Poles and TPN Types of Capacitors
19	Magnetism, Electro-magnetism, Electro-magnet
20	House Wiring, Types of PVC Copper Wires, Alluminium Service Wires Introduction to different types of switches and sockets Methodology of House Wiring and Precautions
21	Meter Board Block Diagram



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	Single Room Wiring Location of Lamp Control Switches and Sockets Point
22	2-Way Switches Wiring System Stair Case Wiring and Go-down Wiring
23	Hospital and Lodge Wiring Traffic Signal Lights Connections
24	Circuit Diagram of House Wiring Over head Service Wiring from Energy Meter
25	Types of Magnets, Working Principles and Characteristics of Electro-magnets House Wiring Circuit Board Connections
26	Working Principle of Single Phase Motor Poles and RPM in Electric Motors
27	Motor with Single Phase Capacitor – Starting Single Phase Motor Winding Connection
28	Ceiling Fan – Winding Removal Rewinding
29	Ceiling Fan – Winding Connections Trial Running
30	Detecting Problems in Table Fan and Winding Table Fan Rewinding
31	Rewinding Connections Trial Running
32	Repairing and Servicing of Immersion Coils, Electrical Stoves and Induction Heater
33	Repairing and Maintenance of Room Heater, Voltage Stabilizer
34	Repairing and Servicing of Instant Geysers
35	Fixing of Thermostat in Geysers
36	Single Phase Motor Working Principle of Starting Capacitor and Centrifugal Switch
37	Working Principle and Characteristics of Single Phase Motor Motor Rewinding Block Diagram 24, 32 Slot Motors – Rewinding Circuit Diagrams Single Phase Mono-block Motor Trial Running
38	Universal Motor Block Diagram
39	Universal Motor Trouble Shooting
40	Types of Winding in 3-Phase Induction Motors
41	Submersible Motor Types of Windings, Rewinding
42	Mixer, Grinder – Assembling, Trouble Shooting
43	Repair, Servicing of Air Cooler Rewinding Air Cooler
44	Armature and Field Coil Winding, Assembling of DOL Starter
45	Assembling of Star and Delta Starter (Semi – Auto) Assembling of Star and Delta Starter (Auto)