

Installation & Maintenance of Photocopiers and Printers

(Duration : 90 Hrs)

1. Introduction to Electricity, Electronic and Electrical components

(Duration : 25 Hrs)

Identify Electrical Component like, Resistor, Capacitor, Inductor, Transformer etc., Making connection using components for the given circuit, Measurement of various parameters like Voltage, Current etc, Identify Semiconducting Devices: Diodes, Transistors, common, ICs like 741, 555 and ICs for basic gates, Use of fuse and its rating.

2. Soldering/ de- soldering techniques, Tools and equipment (Duration: 10 Hrs)

Use of Soldering Iron, Soldering wire, Soldering Flux, Soldering method, Zero defect soldering, Desoldering pump, Temperature controlled soldering station, Handson-practices of Soldering, Use of Tools like Screw Driver Set Tweezers, Different Types of Tweezers, Nose Pliers, Wire Cutter Hot air gun Liquid solder pest, Magnifying Lamp and Measuring Tools Brush, Nipper Test and Measurement Equipment, Multimeter etc.

3. Photocopiers (Duration: 15 Hrs)

Use of control panel of Photocopier. Dismantling and assembling of paper feed mechanism, Fault finding and repairing in electrostatic high voltage unit. Maintenance of m/c like Periodic cleaning and servicing of copier machines. Fault finding and repair a photo copier machine.

4. Printers (Duration: 20 Hrs)

Use, working and handling of Printers. Use of Laser Printers. Identify different Parts of Printer like Cartridges, toner, drum and their use. Replacement of Cartridges, toner etc. Fault finding and repair of Printers

5. Safety and Security Procedures (Duration: 5 Hrs)

Reporting incidents, system failures, power failures etc. Identify and take necessary precautions on fire and safety hazards and report according to site policy and procedures. Protection equipment First aid requirement in case of electrical shocks and other injuries.

6. Reading, Writing and Communication Skills (Duration: 15 Hrs)