**PRACTICAL - 1**

**AIM: - IDENTIFY VARIOUS TOOLS USED FOR WIRING.**

**REQUIRE TOOLS**

Cutting pliers,

Flat nose pliers,

Screwdriver,

Neon tester,

Hammer,

Knife,

Pocker,

Center punch,

Twist drill,

Soldering rod,

Wire Strippers,

Wire Cutters,

**THEORY ABOUT TOOLS:**

**1. Cutting Pliers:-**

They are used to cut the wires, nipping by hand and twisting the wires and also to hold them. Long nose pliers are used to hold the wires in small space and also to tighten and loosen small nuts.

**2. Nose Pliers:-**

Long nose pliers are used to hold the wires in small space and also to tighten and loosen small nuts.

**3. Screw driver:-**

They are used to drive and tighten screws into pointed holes in the switches and electrical machines. They are generally insulated.

**4. Hammer:-**

Ball peen and claw hammers are commonly used in electrical work where greater power is required in striking. It is best suited for riveting purposes in sheet metal works.

**5. Line tester:-**

It is used to check the electric supply in the line or phase wire. It has a small neon bulb, which indicates the presence of power supply. It can also be used as a screw driver.

**6. Knife:-**

It is generally used for removing the insulation from the wire. The closing type knife is always preferred.

**7. Pocker:-**

It is a long sharp tool used for making pilot holes in wood before fixing and tightening wood screws.

**8. Center punch:-**

When a hole is to be drilled in a material, the center punch is always used for making the starting hole.

**9. Twist drill:-**

It is used for drilling holes into metals and woods.

**10. Soldering rod:-**

It is used for soldering wires to small joints with solder. It consists of pointed oval Cu bit fixed to an iron rod, which is heated by an electric element only

**11. Wire Strippers:-**

Wire strippers are used to remove the insulation from wiring and cable. A better choice is the multi-tool. The name of this tool gives its advantage away: you can cut cable and strip the wire without damaging the copper beneath insulation.

**12. Wire Cutters:-**

## You can't expect to do a good job on home wire jobs without a good set of wire cutters. Side cutting pliers are large enough to cut wire and cable. Diagonal cutters are useful for cutting thicker conductors.

**CONCLUSION**