**SYLLABUS OF WIREMAN PERMITS EXAMINATION:**

The following shall be syllabus for Wireman Examination:-

Electrical Pressure (Volts).

Electric Current (Ampere).

Power (Watts).

Ohm’s Law.

Difference between Alternating Current and Direct current supply.

Conductors and Insulators.

Use of Standard Wire gauge.

Connection of Volt Meters and Ammeters.

Reading of energy meters.

Simple calculations of Power and Energy.

Testing the supply for OFF and ON Alternating Current and Direct Current.

Positive and Negative: Live and Dead Conductors.

Various uses of the test lamp and bell.

Connections and diagram for distribution fuse board.

Cut-outs, ceiling roses, lamp holders, switches including two way and intermediate.

Wiring on cleats in wood casing, metal sheathed, T.R.S., cab tyre sheathed conduit.

Wiring of fittings of small motors and other domestic appliances

The installations of electric bells and indicators.

Connection of Alternating Current and Direct Current, fans and regulator: common faults in them and their remedies.

Methods of carrying (over head) bare, lead covered and cab tyre sheathed wires and PVC insulated wires over short distances.

Knowledge of danger point in simple lighting and power installations.

Testing for faults, measuring insulation resistance to earth by megger.

Precautions and methods of treatment in case of person suffering from electric shock.

Making straight and Tee joints in Standard Insulated Wire. Making Britania and Western Union joints in bare copper wire.

Soldering lugs on wire cables