

Procedure:

1. make the connections as per the circuit diagram.
2. Ensure the series generator is electrically loaded to its rated capacity before giving supply and starting the machine.
3. start the motor with the help of 2-point starter.
4. decrease the resistive load in steps and note down the field current and terminal voltage.

To determine armature and field resistance:

1. Connect the circuit as per the circuit diagram.
2. switch on dc supply.
3. increase the load note down the voltage and current.