

JOB SHEET

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Batch : D2.

Name of the experiment/Job : Godown Wiring.

Tools and Equipments : Screw driver, combination pliers, hammer, tester, screws, poker, wooden board and soldering iron.

Raw Materials : 3 Lamps 60W each, 1 × one way switch, 2 × two way switch, 230V A.C. Supply.

Procedure in Brief :

Circuit connection :

- ① First of all, turn off the main breaker to ensure main supply is switched off.
- ② Connect all the switches to earthing terminals.
- ③ Connect the neutral wire from from MCB directly to all three lamps.
- ④ Connect the live wire to first terminal of SPST switch and also connect the common terminal of first SPDT switch to second ~~ter~~ terminal of SPDT switch.
- ⑤ Connect the upper terminal of first SPDT to Lamp L1.

- ⑥ Connect the lower terminal of 1st SPDT switch to common of second SPDT switch.
- ⑦ Connect the upper & lower terminals of second SPDT switch to the second & third lamps respectively.

Working :

- ⑥ Switch on the SMP SPDT & first lamp will glow.
- ⑦ Switch on the first SPDT, the second lamp will glow and the previous one will stop glowing.
- ⑧ Switch on the second SPDT, the third lamp glows and the previous one stops.
- ⑨ Switch on the last SPDT, the second lamp will glow and the third lamp will stop glowing and so on.

Use : It comparatively saves more energy as only one load point is turned on at a time. It is time efficient.

Conclusion : Connections and working of godown wiring was learnt & implemented successfully.