

INTERNATIONAL SKILL FIESTA - 2016

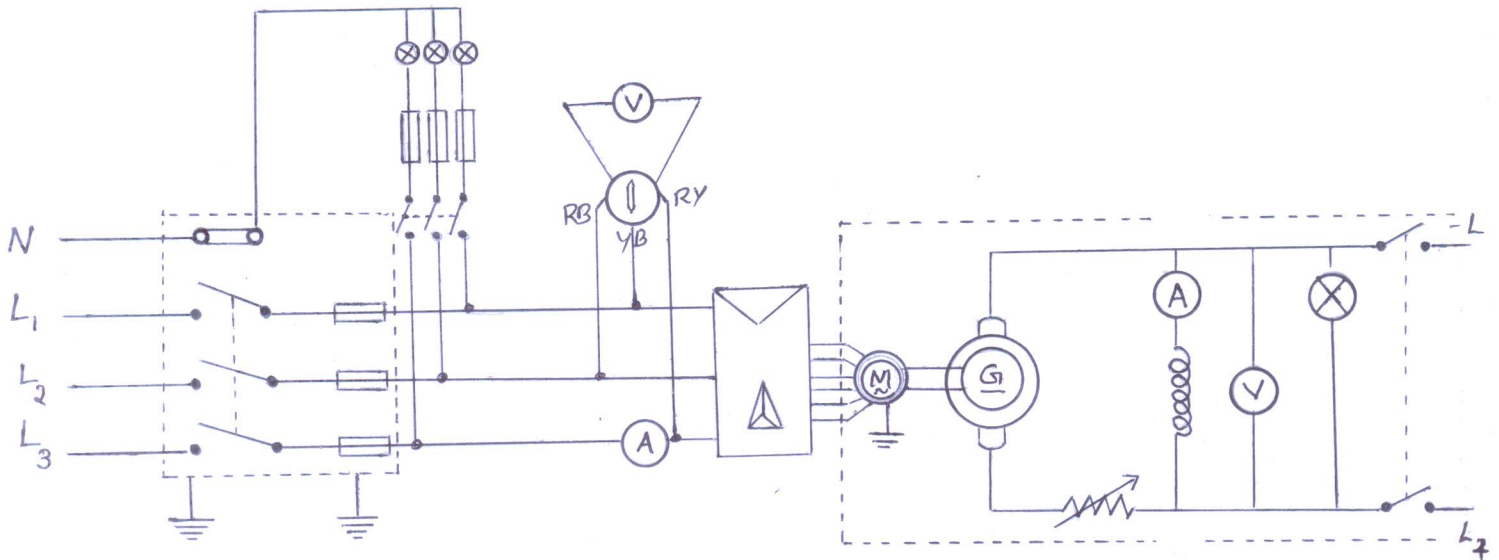
(Test Project for Institute level)

Trade : Electrician

Duration: 5 hours

Max : 100 Marks

Q.1. Wire up panel board for a motor generator set (AC/DC) as per the given schematic diagram. ?



Tools Required

1. Hand saw 300mm – 1 No
2. Measuring tape 5m – 1 No.
3. Chisel 25mm - 1 No
4. Power drilling Machine Portable 12mm – 1 No.
5. DE Spanner 8 to 25mm – 1 Set
6. Adjustable Spanner 300mm – 1 No.
7. Try Square 300 mm – 1 No.
8. File Flat 300mm – 1 No.
9. File Round 300mm – 1 No.
10. Hammer 250g – 1 No.
11. Scriber – 1 No.
12. Electrician tool Kit – 1 set
13. Steel Rule 30Cm – 1 No.

Instruments Required

1. Megger 1 Mohm 500V – 1 No.
2. Multimeter – 1 No.
3. Motor Generator Set (AC/DC) – 1 No.
4. Voltmeter MI (0-500V) – 1 No.
5. Voltmeter MC (0-300V) – 1 No.
6. Ammeter MI (0-0A) – 1 No.
7. Ammeter MC (0-20A) – 1 No.
8. Rotary switch (0- 500V) – 1 No.
9. Field Regulator 300 ohm 2A – 1 No.
10. Ammeter MC (0-2A) – 1 No.
11. Star Delta Starter (500V 16A) – 1 No.

Materials

1. Hylem Sheet 1200mm X 1000mm X 6mm – 1 Piece/Trainee
2. Nuts & Bolts $\phi 6$ mm – as required
3. Kit Kat Fuse (240V 1A) – 3 No.
4. IC DP Switch 240 V 16A – 1 No.
5. ICTP Switch 415V 32A – 1 No.
6. Toggle Switch 6A 240V – 3 Nos.
7. Lamp Holder Battern 6A 240V – 4 Nos.
8. Colour lamp 15W 250V,R,Y,B and G – 1 each
9. PVC Wire 7/20 – as required
10. PVC Wire 3/20 – as required
11. PVC Wire 1/18 – as required
12. Copper wire (No.10) – as required
13. Banana Socket and plug 16A – as required
14. Neutral link 240V 16A – 1 No.