

## 2.7 30260 TECHNICAL ENGINEERING DRAWING

### UNIT-1. ELECTRICAL AND ELECTRONIC SYMBOLS

Electrical and Electronic symbols use in Electrical and Electronic installations like light, power, alarm and control circuits etc.

### UNIT- 2 SIMPLE LIGHT CIRCUITS SCHEMATIC AND WIRING DIAGRAMS FOR THE FOLLOWING CIRCUITS:

Light and fan points controlled by individual switches Fluorescent tube controlled from one switch One lamp controlled by two switches (stair case circuit) Two lamps controlled by three switches (Double staircase circuit)

### UNIT-3. SIMPLE ALARM CIRCUITS WITHOUT AND WITH RELAYS SCHEMATIC AND WIRING DIAGRAMS FOR THE FOLLOWING CIRCUITS:

One bell controlled by one push button two ordinary bells (for day and night) used at a Doctor's residence. Bell response circuit using one bell and a relay Bell response circuit of an office (for three rooms) Traffic control light system for two road crossing A light circuit which gets automatically connected to DC supply in case of power failure

### UNIT-4. ORTHOGRAPHIC PROJECTIONS OF SIMPLE ELECTRICAL PARTS TO DRAW FRONT ELEVATION, SIDE ELEVATION AND/OR PLAN OF THE FOLLOWING FROM A GIVEN PICTORIAL VIEW:

End cover of Induction motor Rotor of squirrel cage Induction Motor body (AC machine) Slip Rings Pin type insulator Field pole with coil Bus Bar Post Kit Kat fuse base Kit Kat fuse carrier Dry type single phase transformer

#### Reference Book:

1. Electrical Engineering Drawing by S.k. Bhattacharya

