

ELECTRICAL & ELECTRONICS DRAWING (4117)				
Teaching Schedule per week		Marking Scheme		
Lecture	Practical	Term work	Orals / Practical	Total
-	04	50	50	100

ELECTRICAL & ELECTRONICS DRAWING

work shall consists of minimum FIVE (Full imperial size) or TEN (Half imperial size) Drawing sheets on the following :

- Transformer Details:
Core, winding, tank and other accessories.
- Motor starter:
4 point starter, DOL starter, Star Delta starter (Manual & Automatic), Autotransformer starter, slip-ring motor starter.
- Layout of pole mounted substation .
- Transmission line components.
- Connection diagram for Refrigerator, Window AC, Small Oven, HPMV Lamp, HPSV lamp, Tube light circuit.
- Symbols of Electronic components like Diode transistor, Op-amp (741), Thyristors capacitors, Inductors, resistors etc.
- Basic rectifiers circuits and multi vibrator.
- Transistors biasing circuits.
- Power electronic devices along with the waveforms.
 - Single phase full wave convertor,
 - Three phase full wave convertor,
 - Buck regulator.
 - Three phase inverter.

