

Syllabus for the subject

of

ENGINEERING DRAWING

(For 3rd & 4th semester)

Under

CRAFTSMEN TRAINING SCHEME (CTS)

(For Mechanic Medical Electronics)

Re-Designed in - 2015

By

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Ministry of Skill Development & Entrepreneurship

Directorate General of Training

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE

Block - EN - 81 SECTOR - V, SALT LAKE CITY, KOLKATA - 700 091

3rd semester--- Engineering Drawing
For the Trade of Mechanic Medical Electronics

Sl. No.	Topics	Duration in Hours
1	CRO: - Block diagram of Cathode Ray Oscilloscope (CRO). Front panel view of CRO.	63
2	Symbols as per different semi-conductor devices-LDR, VDR, Thermister.	
3	AC wave form, frequency, wavelength representation, Inductors, series parallel, transformers types, cores types, lamination types, representation.	
4	Microprocessor:- Block diagram & Pin diagram of 8085 Microprocessor.	
5	Diodes, Forward & Reverse bias, Rectifiers, Input & Output waveforms, Regulator circuits, Clipper circuits, wave forms.	
6	Power supply: Block diagram of SMPS. Block diagram of UPS-ONLINE, OFFLINE, LINE INTERACTING.	

4th semester---- Engineering Drawing
For the Trade of Mechanic Medical Electronics

Sl. No.	Topics	Duration in Hours
1	Exercise on blue print reading/circuit. Reading of house service connections & small power circuits, Connections of ammeter, voltmeter, KWh-meter with ISI symbols, circuit, Reading & drawing of different stages of R/R/free hand sketches of trade objects.	63
2	Logic gates, Combinational gates, other circuits.	
3	Block diagram of Ultrasound scanner. Block diagram of oscillator, symbols for different wave shapes, Sq., saw-tooth, sine, triangular etc.	
4	Block diagram of ECG recorder.	
5	Block diagram of Blood pressure measuring instrument.	