

Syllabus for the subject

of

ENGINEERING DRAWING

(For 3rd & 4th semester)

Under

CRAFTSMEN TRAINING SCHEME (CTS)

For the trades of

1. Information & Communication Technology System Maintenance
2. Information Technology

Re-Designed in

2015

By

Government of India

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

DETAILS OF SYLLABUS

SYLLABUS OF ENGINEERING DRAWING FOR 3RD SEMESTER–63 hrs.

Duration

1. Information & Communication Technology System Maintenance
2. Information Technology

Sl. No.	Topics	Duration in Hours
1	<u>Free Hand Sketching</u> Tools used in Computer maintenance such as Crimping tools, Punching tools, Soldering iron etc	63
2	<u>Block Diagrams</u> Personal Computer, Monitor using CRT (Cathode Ray Tube) , LCD (Liquid Crystal Display) and LED (Light Emitting Diode), Scanner, UPS (Uninterrupted Power Supply), SMPS(Switch Mode Power Supply), Printers(Inkjet, Deskjet & Laser)	
3	<u>Layout Diagrams</u> Cables, Connectors, Expansion Cards, CPU, CPU Sockets, Motherboard,	
4	<u>Polarity Diagram</u> Different types of computer RAM Modules.	
5	<u>Pin layout</u> Different types of cables & connectors used in computer system, & associated peripheral & network.	

SYLLABUS OF ENGINEERING DRAWING FOR 4TH SEMESTER–63hrs. Duration

1. Information & Communication Technology System Maintenance
2. Information Technology

Sl. No.	Topics	Duration in Hours
1	<u>Block Diagrams</u> Network Topologies, OSI Model, TCP/IP Suite, Client- Server Network, Network Devices-Modem, Router, Switch, Repeater	63
2	<u>Internal View</u> Mobile, Laptop, Tablet PC	
3	<u>Conceptual Diagrams</u> Bluetooth, Wi-Fi, Network Security, Internetworking, connection with LCD/LED Projector with computer.	
4	<u>Internal Connections</u> Lab Network, Method of connecting Network devices, LAN setup using Modem	
5	<u>Internet Setup Diagram</u> <ul style="list-style-type: none">• Networking Block diagram of computers with different network components• Free hand sketches of straight & cross cables used in networking• setup diagram of modem-based internet connection• Setup diagram of Wi-Fi Internet connection	