

**SYLLABUS FOR ENGINEERING DRAWING  
OF**

**MARINE FITTER  
(SEMESTER PATTERN)**

**UNDER  
CRAFTSMEN TRAINING SCHEME**

**Re-Designed in - 2015**

**By**

**Government of India**

**Ministry of Skill Development & Entrepreneurship**

**Directorate General of Training**

**CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE**

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**Syllabus of Engineering Drawing for 3<sup>rd</sup> Semester of Marine Fitter – Duration- 63 hours**

<b>Sl. No.</b>	<b>Engineering Drawing</b>
1	<b>Sectioning of simple solids</b> Projection of simple solids (construction) conventional representations & sectioning.
2	<b>MACHINE DRAWING</b> <b>Machine parts and assembly drawing</b> Wall brackets (5 types), shaped blocks (5 types), CI blocks (5 nos.) Monkey for scribing block, split muff Coupling, Flanged coupling - two types
3	<b>Object drawing –</b> Free hand sketching of Workshop tools – marking, measuring, holding, cutting, striking tools

**Syllabus of Engineering Drawing For 4<sup>th</sup> Semester of Marine Fitter – Duration 63 hours**

<b>Sl. No.</b>	<b>Engineering Drawing</b>
1	<b>MACHINE DRAWING</b> <b>Machine parts and assembly drawing</b> Fork for hooks coupling, bushed bearing, bracket with split bearing, foot step bearing Open bearing, Plummer block, stepped pulley, pipe wise body, screw jack, stuffing box, Universal coupling, knuckle joint.
2	<b>Object drawing and assembly drawing</b> Piston, cylinder head Valves, Valve guide springs, rocker arm, injector, connecting rod, fuel pump, crank shaft, cross head, air starting valve Free hand sketching of Valves, cocks, cylinder relief valve, pumps, governor, Cylinder liner, Reverse reduction gears, clutch, lub. Oil circuit, Cooling system engine room layout, workshop layout.
3	<b>Introduction to computer drafting</b> Basics of CAD