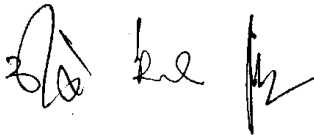


**Sr. No. 9(b)                      Syllabus for Draftsman(Autocad/Civil)**

- Use of drawing instruments, their care and maintenance
- Construct plain geometrical figures. Solve simple problems on projecting of points, lines surface and solids. Draw sketches from models.
- Have thorough knowledge in conventional signs and symbols
- Have correct concept and sketch the arrangement of bricks in different types of bonds in building and in foundation. Prepare drawing of stone masonry and scaffolding.
- Have knowledge to prevent the structure with DPC. Draw different floors, various types of arches and lintels, different types of doors and windows including knowledge of carpentry joints, different types of roof with all details with general principals of constructions.
- Draw and design staircases. Draw plan, section, and elevation of residential buildings (single and double) with help of sketches, and line diagrams following principle of planning, local building by laws with ISI standards.
- Plotting of longitudinal and cross section of a road from given reduced levels, calculation of earth work and other materials of road, plotting of blocks and drawing of contour maps from given data. Preparing/ drawing details of types of road, C.S. of railway tracks, culverts and bridges.
- Prepare detailed drawings and estimates of the residential and public buildings and bridges.
- Preparing various drawing of sanitary proposal connected with building
- Draw the parts of RCC structures and steel sections. Draw various drawings using Auto CAD
- For details, kindly refer to Govt. of India, Ministry of Labour and Employment (DGE&T) under craftsman training scheme as revised in 2006.

15/20/18  


Draftsman(Autocad/Civil)