

L T P

3

Subject : BUILDING DRAWING (AUTOCAD)

Subject Code CIV306

Module	Contents
1	CAD Software: 6 Hrs Meaning of various CAD software available in the market auto CAD, Felix CAD, AutoCAD civil 3D, 3D max, etc. user interface Starting up of CAD, CAD window, Tool bar, Drop down menu, command window, saving the drawing. Introduction of graphic screen.
2	CAD Command: 6 Hrs WCS icon, UCS icon, co-ordinates, drawing limits, ellipse, polygon etc. Editing commands- copy, move, offset, fillet, chamfer, trim, lengthen, working with hatches, fills, dimensioning, text etc.
3	Planning of Buildings 6 Hrs Principles of planning of residential and public building (Load bearing and RCC framed structure) Space requirements and norms for various units of residential and public buildings Rules and Jharkhand State byelaws of building for construction e.g. building line , open spaces , FSI / FAR, headroom, minimum room dimensions.
4	Creating, modifying points and surfaces: 6 Hrs I. Creating & managing points. II. AutoCAD user interface. III. Basics of using AutoCAD draw tools. IV. Basics of using AutoCAD modify tools. V. Creating surfaces. VI. Surface styles. VII. Edit surfaces.
5	Parcel & Alignments: 6 Hrs I. Creating parcel. II. Editing parcel. III. Labelling parcel and creating tables. IV. Working with alignments. V. Editing alignments. VI. Working with alignments and parcels.
6	Drawing of Doors & Windows, Staircase and lift, lintel, beam and column 6 Hrs
7	Submission/working Drawing: 6 Hrs Generation of line plan, Detailed plan, elevation, section, site plan, Area statement. Generation of 3D view and print commands Introduction to Auto Civil, 3D Max.

Reference Books :-

AutoCAD
Building Drawing
Mastering AutoCAD (Civil)

BPB Publication
B P Verma