

## G.P. DHANGAR (Fatehabad)

Name of Faculty : Mrs. Sunita Rani

Discipline : CIVIL ENGG.

Semester: 1<sup>st</sup>

Subject : PLUMBING SERVICES

Week	Lecture No.	Topic Covered
1	1	Selection, use and care of tools required for plumbing work
	2	Threading die & bit
	3	Ratchet brace, pipe wrench, spanner set
2	4	files and other common hand tools, bench drilling machine, soldering iron
	5	Pipe cutter, pipe vice, hacksaw & chisel,
	6	Revision
3	7	Selection and use of different pipes like GI Pipes, Plastic pipes, PVC pipes, HDPE pipes
	8	Cast iron pipes, Plumbing symbols; Bends, Elbows, Sockets, Tees, Unions, Pipe cutting
	9	
4	10	Pipe bending, Pipe Threading, Pipe joints, Pipe fitting
	11	Alignment of pipes, Branching of pipes, Safety precautions
	12	Revision
5	13	Sources of water; Rainwater harvesting
	14	Water supply systems in a town; Water distribution systems
	15	Distribution reservoirs; Pumps; Valves
6	16	Fire hydrants
	17	Storage of water in buildings
	18	Types of tanks
7	19	Pipe system
	20	TRAP, CESSPOOL
	21	Septic tank
8	22	Cleaning blocked pipes and drains
	23	Laying sanitary and sewer pipes,
	24	Manholes, Inspection and testing
9	25	Fixing accessories, Problems in drainage and their solution
	26	REVISION
	27	Flush toilet, Squat toilet,
10	28	Wash basin, Sink
	29	Floor traps, Urinal
	30	, Bathtub, Shower, Bidet,
11	31	Mixing tap, Popup waste
	32	Revision
	33	Heat transfer, Water heater,
12	34	Geyser
	35	Domestic hot water supply system,
	36	Central heating,
13	37	Solar water heater
	38	REVISION
	39	TEST