

<b>Name of the Faculty</b>
<b>Discipline</b>
<b>Semester</b>
<b>Subject</b>
<b>Lesson Plan Duration</b>
<b>Week</b>
1st
2nd
3rd
4th
5th
<b>6th</b>
7th
8th
9th
<b>10th</b>
11th
12th
13th
<b>14th</b>
15th

<b>Prashant Jogi</b>
<b>Civil Engineering</b>
<b>1st</b>
<b>Plumbing Services</b>
<b>15 weeks (02 lectures per week)</b>
<b>Theory Topics</b>
Introduction of Plumber's Tools
Selection of Plumbing tools
Uses and care of tools required for plumbing work, such as threading die, bit brace, ratchet brace, pipe wrench, spanner set, pipe cutter, pipe vice, hacksaw, chisel, files.
Other common hand tools,
bench drilling machine, soldering iron
Introduction of Pipes and Pipe Fitting
Selection and use of different pipes like GI Pipes, Plastic pipes, PVC pipes, HDPE pipes, Cast iron pipes
Plumbing symbols; Bends, Elbows, Sockets, Tees, Unions, Pipe cutting, Pipe bending, Pipe Threading,
Pipe joints, Pipe fitting, Alignment of pipes, Branching of pipes, Safety & precautions
<b>1st Sessional Test</b>
Introduction of Water Supply System
Sources of water; Rainwater harvesting; Water supply systems in a town; Water distribution system
Distribution reservoirs; Pumps; Valves; Fire hydrants; Storage of water in buildings; Types of tanks; Laying water supply pipe lines
Introduction of Domestic Drainage
Drainage system (two pipe, one pipe, single stack and other systems), Trap, Cesspool, Sceptic tank, Cleaning blocked pipes and drains
Laying sanitary and sewer pipes, Manholes, Inspection and testing (pressure & leakage test, testing straightness of pipes, ball test etc.); Fixing accessories, Problems in drainage and their solution
<b>2nd Sessional Test</b>
Introduction of Sanitary Appliances
Flush toilet, Squat toilet, Wash basin, Sink
Floor traps, Urinal, Bathtub, Shower, Bidet, Mixing tap, popup waste
Introduction of Heating System
Heat transfer, Water heater, Geyser
Domestic hot water supply system, Central heating, Solar water heater
<b>3rd Sessional Test</b>
Weak Student Classes/Doubt Clearing Classes
Discussion and Compilation

