

Name of the Faculty : AMIT KUMAR (GF)

Discipline : Civil Engineering

Semester : 5th

Subject : Plumbing Service

Lesson Plan Duration : 16 weeks

**\*\*Work load (Lecture / Practical) per week (in hours): Lect-04, practicals –2 (G-I,G-II)**

Week		Theory			Practicals
	Lecture Day	Topic (inculding	Week	Practical Day	Topic
1st	1st	Selection, use and	1st	1st	Carry out simple job requiring cutting mild steel plate, filing, drilling and tapping holes etc.
	2nd	such as			
	3rd	threading		2nd	
	4th	brace, ratchet other common			
2nd	5th	pipe cutter, pipe vice,	2nd	3rd	Practice cutting, threading and bending of metal pipes;
	6th	files and other		4th	
	7th	bench drilling			
	8th	Revision			
3rd	9th	Selection and use of	3rd	5th	Carry out simple pipe connections requiring use of bends, tees, elbows etc.
	10th	Plastic pipes, PVC			
	11th	Plumbing symbols;		6th	
	12th	Tees, Unions,			
4th	13th	Revision /Assignme	4th	7th	Erect simple water supply system
	14th	Pipe		8th	
	15th	Pipe joints,			
	16th	Pipe joints, Pipe fitting,			
5th	17th	Alignment of pipes,	5th	9th	Test drainage lines by using different testing methods
	18th	Branching of pipes			
	19th	Safety precautions		10th	

	20th	Revision /Assignment		10th	
6th		Tentative date for 1st sessional			
		Tentative date for 1st sessional			
		Tentative date for 1st sessional			
7th	21st	Sources of water	6th	11th	Practice fixing of different valves
	22nd	Rainwater harvesting		12th	
	23rd	Water supply			
	24th	Revision/Assignment			
8th	25th	Water distribution	7th	13th	Install sanitary fittings like washbasin,
	26th	Water distribution		14th	
	27th	Distribution			
	28th	Valves; types and			
9th	29th	Fire hydrants	8th	15th	Install sanitary fittings like Sink, Floor traps
	30th	Storage of water in		16th	
	31st	Laying water			
	32nd	Drainage system			
10th	33rd	single stack and	9th	17th	Install sanitary fittings like Urinal, Bathtub
	34th	Trap, Cesspool.		18th	
	35th	Sceptic tank			
	36th	Revision/Assignment			
11th	37th	Cleaning blocked	10th	19th	Install sanitary fittings like heating appliance like geyser
	38th	Laying sanitary		20th	
	39th	Laying of sewer			
	40th	Revision/Assignment			
12th		Tentative date for 2nd sessional			
		Tentative date for 2nd sessional			
		Tentative date for 2nd sessional			

13th	41st	Inspection and testing	11th	21st	cutting and shaping of PVC pipes
	42nd	Fixing accessories.		22nd	
	43rd	Problems in drainage			
	44th	Flush toilet,			
14th	45th	Revision/Assignment	12th	23rd	cutting and shaping of PVC pipes
	46th	Flush toilet,		24th	
	47th	Squat toilet. and			
	48th	Wash basin, Sink			
15th	49th	Floor traps	13th	25th	viva-voice
	50th	Urinal, Mixing tap, Popup		26th	
	51st	Heat transfer.			
	52nd	Domestic hot water			
16th		Tentative date for 3rd sessional			
		Tentative date for 3rd sessional			
		Tentative date for 3rd sessional			

