

LESSON PLAN – PLUMBING SERVICES
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NAME OF FACULTY :
 DISCIPLINE : **CIVIL ENGG.**
 SEMESTER : **5TH**
 SUBJECT : **PLUMBING SERVICES**
 LESSON PLAN DURATION : **15WEEKS**

DURATION- L-3,P-2/WEEK

WEEK	THEORY		PRACTICAL	
	LECTURE DAY	TOPIC (INCLUDING ASSIGNMENT/TEST)	PRACTICAL DAY	TOPIC
1 ST	1 ST	SELECTION, USE AND CARE OF TOOLS REQUIRED FOR PLUMBING WORK		CARRY OUT SIMPLE JOB REQUIRING CUTTING MILD STEEL PLATE, FILING, DRILLING AND TAPPING HOLES ETC.
	2 ND	, SUCH AS THREADING DIE, BIT BRACE, RATCHET BRACE, PIPE WRENCH,		
	3 RD	REVISION AND ASSIGNMENT		
2 ND	1 ST	SPANNER SET, PIPE CUTTER, PIPE VICE, HACKSAW,		CARRY OUT SIMPLE JOB REQUIRING CUTTING MILD STEEL PLATE, FILING, DRILLING AND TAPPING
	2 ND	CH-1 ST REVISION AND TEST		

	3 RD	CHISEL, FILES AND OTHER COMMON HAND TOOLS, BENCH DRILLING MACHINE, SOLDERING IRON		HOLES ETC.
3 RD	1 ST	1. PIPES AND PIPE FITTING SELECTION AND USE OF DIFFERENT PIPES LIKE GI PIPES, PLASTIC PIPES,		PRACTICE CUTTING, THREADING AND BENDING OF METAL PIPES; CUTTING AND SHAPING OF PVC PIPES
	2 ND	TEST 2 ND CHAPTER		
	3 RD	PVC PIPES, HDPE PIPES, CAST IRON PIPES,		
4 TH	1 ST	PLUMBING SYMBOLS; BENDS, ELBOWS, SOCKETS, TEES, UNIONS, PIPE CUTTING,		REVISION AND DEMONSTRATE
	2 ND	ASSIGNMENT FOR VARIOUS PIPES		
	3 RD	PIPE BENDING, PIPE THREADING, PIPE JOINTS, PIPE FITTING, ALIGNMENT OF PIPES, BRANCHING OF PIPES,		

5 TH	1 ST	SAFETY PRECAUTIONS 2. WATER SUPPLY SYSTEM SOURCES OF WATER	CARRY OUT SIMPLE PIPE CONNECTIONS REQUIRING USE OF BENDS, TEES, ELBOWS ETC.
	2 ND	TEST	
	3 RD	; RAINWATER HARVESTING; WATER SUPPLY SYSTEMS IN A TOWN;	
6 TH	1 ST	WATER DISTRIBUTION SYSTEMS; DISTRIBUTION RESERVOIRS	CARRY OUT SIMPLE PIPE CONNECTIONS REQUIRING USE OF BENDS, TEES, ELBOWS ETC.
	2 ND	REVISE TILL NOW	
	3 RD	; PUMPS; VALVES; FIRE HYDRANTS; STORAGE OF WATER IN BUILDINGS;	

7 TH	1 ST	TYPES OF TANKS; LAYING WATER SUPPLY PIPE LINES		ERECT SIMPLE WATER SUPPLY SYSTEM
	2 ND	REVISION		
	3 RD	DOMESTIC DRAINAGE DRAINAGE SYSTEM (TWO PIPE, ONE PIPE, SINGLE STACK		
8 TH	1 ST	AND OTHER SYSTEMS), TRAP, CESSPOOL,		ERECT SIMPLE WATER SUPPLY SYSTEM
	2 ND	ASSIGNMENT AND TEST		
	3 RD	SCEPTIC TANK, CLEANING BLOCKED PIPES AND		
9 TH	1 ST	DRAINS, LAYING SANITARY AND SEWER PIPES, MANHOLES,		TEST DRAINAGE LINES BY USING DIFFERENT TESTING METHODS
	2 ND			
	3 RD	INSPECTION AND TESTING (PRESSURE & LEAKAGE TEST,		
10 TH	1 ST	TESTING STRAIGHTNESS OF PIPES, BALL TEST ETC.); FIXING		TEST DRAINAGE LINES BY USING DIFFERENT

	2 ND			TESTING METHODS
	3 RD	ACCESSORIES, PROBLEMS IN DRAINAGE AND THEIR SOLUTION		
11 TH	1 ST	SANITARY APPLIANCES INTRODUCTION		PRACTICE FIXING OF DIFFERENT VALVES INSTALL SANITARY FITTINGS LIKE WASHBASIN, SINK, FLOOR TRAPS, URINAL, BATHTUB AND HEATING APPLIANCE LIKE GEYSER
	2 ND	FLUSH TOILET, SQUAT TOILET, TEST AND REVISION		
	3 RD	WASH BASIN, SINK,		
12 TH	1 ST	FLOOR TRAPS, URINAL, BATHTUB, SHOWER,		PRACTICE FIXING OF DIFFERENT VALVES INSTALL SANITARY FITTINGS LIKE WASHBASIN, SINK, FLOOR TRAPS, URINAL, BATHTUB AND HEATING APPLIANCE LIKE GEYSER
	2 ND	ASSIGNMENT		
	3 RD	BIDET, MIXING TAP, POPUP WASTE		
13 TH	1 ST	HEATING SYSTEM INTRODUCTI ON		VIVA QUESTION
	2 ND			
	3 RD	HEAT TRANSFER,		
14 TH	1 ST	WATER HEATER,		VIVA QUESTION
	2 ND	TEST AND ASSIGNMENT		
	3 RD	GEYSER, DOMESTIC HOT WATER SUPPLY SYSTEM,		
15 TH	1 ST	CENTRAL HEATING, SOLAR WATER HEATER		VIVA QUESTION
	2 ND	Plumbing		

3 RD	<i>REVISION</i>		