

**MYMENSINGH POLYTECHNIC INSTITUTE**  
**TECHNOLOGY: CIVIL**  
**Outline Plan of On line Teaching (Semester Plan)**

<b>Subject Name: Water Supply Engineering</b>
<b>Subject Code: 66472</b>
<b>Semester : 7<sup>th</sup> , Shift: 1st &amp; 2nd</b>

<b>T</b>	<b>2 Nos theory class per week</b>
<b>P</b>	<b>3 Period practical class per week</b>
<b>C</b>	<b>3 Credit hour &amp; 1 Credit 50 Mark</b>

Week	Theory Content		Learning Materials	Practical Job No	Practical Content	
	Specific Objectives				Practical Name	
1	Understand sewage, sewer and sewerage system.	1.1---1.8	<b>MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT &amp; YOU TUBE CONTENT</b>	1	Introducing to different equipment which is required to perform practical experiment.	
2	Understand sewer appurtenances and their purposes.	2.1---2.7		2	Expt No:- 01 Sketch different types of plumbing fixtures	
3	Understand the process of designing sewers.	3.1---3.7		3	Expt No:- 02 Sketch manhole, septic tank and soak pit.	
4	Understand the principle of construction of sewers.	4.1---4.7		4	Expt No:- 03 Make connection of different sanitary fixtures.	
5	Understand the process of maintenance of sewer.	5.1---5.4		5	Expt No:- 04 Replace unserviceable sanitary fixtures.	
6	Understand the methods used for sewage disposal.	6.1---6.6		6	Expt No:- 05 Prepare a model of manhole, septic tank and soak pit.	
7	Understand the method of sewage treatment.	7.1---7.5		7	Expt No:- 06 Sketch Pit latrine, Twin pit latrine, VIP latrine and sketching, layout plan of pipe line.	
8	Understand the method of sewage treatment.	7.6---7.10		8	Expt No:- 07 Sketch the Effluent Treatment Plant and show the different components in the figure.	
9	Understand the process of sludge treatment and the method of disposal.	8.1---8.6		9	Expt No:- 08 Prepare a model of slab with water seal pan with ring.	
10	Understand the water pollution and its effects on the environment.	9.1---9.4		10	Expt No:- 09 Perform a case study in solid waste management (generation to disposal) of your campus	
11	Understand the rural sanitation practices in Bangladesh.	10.1---10.5		11	Expt No:- 10 Introducing to different plumbing equipment which is required to perform practical experiment.	
12	Understand health and hygiene.	11.1---11.5		12	Expt No:- 11 Use of different plumbing equipment.	
13	Understand the concept of biogas.	12.1---12.5		13	Expt No:- 12 Use of different plumbing equipment.	
14	Understand the municipal and industrial solid waste and its management.	13.1---13.9		14	Expt No:- 13 Discussion on all previous class.	
15	<b>REVIEW CLASS</b>			15	<b>REVIEW CLASS</b>	
16	<b>REVIEW CLASS</b>			16	<b>END OF THE SEMESTER</b>	