

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

Subject Name: Water Resource Engineering
Subject Code: 66475
Semester : 7th , Shift: 1st & 2nd

T	2 Nos theory class per week
P	3 Period practical class per week
C	3 Credit hour & 1 Credit 50 Mark

Week	Theory		Learning Materials	Practical Job No	Practical
	Content				Content
	Specific Objectives				Practical Name
1	Understand different hydrological terms.	1.1----1.6	MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT & YOUTUBE CONTENT	1	Introducing to different equipment which is required to perform practical experiment.
2	Understand the features of a well and recharging of ground water.	2.1----2.7		2	Expt No:- 01 Measure rainfall by rain gauge and determine the intensity of rainfall.
3	Understand the features of a well and recharging of ground water.	2.1----2.4		3	Expt No:- 02 Disassemble and assemble common hand pump/Tara pump.
4	Understand the features of a well and recharging of ground water.	2.5----2.8		4	Expt No:- 03 Install hand pump/Tara pump.
5	Understand the significance of irrigation.	3.1----3.5		5	Expt No:- 04 Draw neat sketch of cone of depression with draw down and circle of influence.
6	Understand the significance of irrigation.	3.6----3.10		6	Expt No:- 05 Draw neat sketch of rain gauges commonly used in Bangladesh.
7	Understand the concept of storage reservoirs.	4.1----4.7		7	Expt No:- 06 Draw the section of a dam of a reservoir with components.
8	Understand the features of dam, dyke and irrigation canal.	5.1----5.5		8	Expt No:- 07 Draw neat sketch of distribution system of irrigation.
9	Understand the features of dam, dyke and irrigation canal.	5.6----5.10		9	Expt No:- 08 Draw neat sketch of head works with components.
10	Understand silt deposition & scouring.	6.1--6.8		10	Expt No:- 09 Draw neat sketch of guide bank, groyne, spur, afflux, marginal bund and stone apron.
11	Understand the features of head works.	7.1--7.3		11	Expt No:- 10 Prepare a model for a typical irrigation project.
12	Understand the principles of drainage.	8.1--8.6		12	Expt No:- 11 Visit an irrigation and flood control project in Bangladesh.
13	Understand the necessity of river training works.	9.1--9.5		13	Expt No:- 12 Draw neat sketch of Rain gage
14	Understand the concept of flood and flood control.	10.1--10.7		14	Expt No:- 13 Visit Rubber dam project in Bangladesh.
15	Understand different irrigation projects in Bangladesh.	11.1--11.8		15	REVIEW CLASS
16	REVIEW CLASS			16	EVALUATION