

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

Subject Name: Surveying-III			T	2 Nos theory class per week
Subject Code: 66452			P	3 Period practical class per week
Semester : 5th , Shift: 1st & 2nd			C	3 Credit hour & 1 Credit 50 Mark

Week	Theory Content		Learning Materials	Practical Job No	Practical Content
	Specific Objectives				Practical Name
	1	Understand the concept of curve and curve ranging.			1.1----1.5
2	Understand the concept of curve and curve ranging.	1.6----1.10	2	Expt No:- 01 Set out circular curve by offset from long chord method.	
3	Understand the procedure of setting out curves by linear methods	2.1----2.6	3	Expt No:- 02 Set out circular curve by offset from tangent (radial method).	
4	Understand the procedure of setting out curves by angular methods.	3.1----3.5	4	Expt No:- 03 Set out circular curve by offset from tangent (perpendicular method).	
5	Understand the concept of transition curve.	4.1----4.9	5	Expt No:- 04 Set out circular curve by one theodolite method (Rankin method).	
6	Understand the concept of vertical curve.	5.1----5.7	6	Expt No:- 05 Set out circular curve by two theodolite method.	
7	Understand the concept of setting out plan of a building and alignment of a road.	6.1----6.3	7	Expt No:- 06 Perform layout plan of a building using theodolite.	
8	Understand the concept of route survey.	7.1----7.8	8	Expt No:- 07 Perform layout alignment of a highway	
9	Understand the procedure of sounding.	8.1----8.10	9	Expt No:- 08 Perform river or canal cross section by sounding method.	
10	Understand the principles of operation and uses of total station.	9.1---9.7	10	Expt No:- 09 Demonstrate the components and use of Total Station.	
11	Understand the principles of making traverse with total station.	10.1---10.5	11	Expt No:- 10 Determine the horizontal and vertical distances with total station.	
12	Understand the procedure of city survey.	11.1---11.3	12	Expt No:- 11 Conduct traversing with a total station and plot map including computation of area.	
13	Understand the procedure of city survey.	11.4---11.6	13	Expt No:- 12 Field visit	
14	Understand the procedure of city survey.	11.7---11.9	14	Expt No:- 13 Discussion on all previous class.	
15	REVIEW CLASS		15	REVIEW CLASS	
16	REVIEW CLASS		16	END OF THE SEMESTER	

MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT & YOU TUBE CONTENT