

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

<b>Subject Name: Construction Process - II</b>
<b>Subject Code: 66451</b>
<b>Semester : 5<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		Learning Materials	Practical Job No	Practical	
	Content				Content	
	Specific Objectives				Practical Name	
1	Discussion on different type of arches and lintels.	1.1---1.5	<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	Discussion on different type of floor and construction procedure of the different types of floor.	2.1---2.5		2	Expt No:- 01 Construct a semi circle/segmental brick arch.	
3	Discussion on the dampness of building construction	3.1---3.10		3	Expt No:- 02 Construct any one of the following floors with suitable materials.	
4	Discussion on the damages due to termite in building and different types of stairs.	4.1---4.5 & 5.1---5.9		4	Expt No:- 03 Perform a case study of dampness in building.	
5	Discussion on the the different types of roofs and plastering & pointing.	6.1---6.9 & 7.1-7.10		5	Expt No:- 04 Construct the form work of a stair.	
6	Discussion on the different types of doors.	8.1---8.6		6	Expt No:- 05 Construct a wooden lean-to-roof , Construct a wooden king post roof truss and Construct a wooden queen post roof truss.	
7	Discussion on the different types of windows.	9.1---9.7		7	Expt No:- 06 Perform cement plastering to brick walls.	
8	Discussion on the concept of carpentry and joineries used in building construction & importance of scaffolding.	10.1---10.7 & 11.1-11.7		8	Expt No:- 07 Perform pointing works to a boundary wall.	
9	Discussion on the significance of form works.	12.1-12.10		9	Expt No:- 08 Construct a single layer and double layers scaffolding.	
10	Discussion on the process of painting & Varnishing.	13.1---13.8		10	Expt No:- 09 Prepare form works for columns and beams.	
11	Discussion on the necessity of equipment in construction works.	14.1-14.14		11	Expt No:- 10 Perform white washing on new and old surface, Perform color washing on new and old surface and Perform distemping on new and old surface.	
12	Discussion on the necessity of different building services.	15.1---15.7		12	Expt No:- 11 Perform snowcem washing and weather coating on new and old surface.	
13	Discussion on building codes and building by laws.	16.1---16.8		13	Expt No:- 12 Perform plastic emulsion painting on new and old surface.	
14	Discussion on the different insulation in building & construction process of dam and embankment.	17.1---17.5 & 18.1-18.5		14	Expt No:- 13 Perform varnishing on new and old wooden surface.	
15	Discussion on the construction process of irrigation and drainage canal & construction process of bridge and culvert.	19.1---19.5 & 20.1-20.6		15	Expt No:- 14 Draw plan and sectional elevation of on irrigative and drainage canal.	
16	<b>REVIEW CLASS</b>				16	<b>END OF THE SEMESTER</b>