

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

Subject Name: Construction Process-1
Subject Code: 66433
Semester : 3rd , 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 the features of concrete.	1.1----17	MARKER PEN, WHITE BOARD, MULTIMEDIA CONTENT & YOU TUBE CONTENT	1	Introducing to different equipment which is required to perform practical experiment.
2	Understand the properties of concrete.	2.1----2.6		2	Expt No:- 01 Draw the grading curves for various samples of aggregates and find out the FM value.
3	Understand the techniques of proportioning, mixing, transporting, placing and compaction of concrete.	3.1----3.9		3	Expt No:- 02 Perform slump test of different concrete works.
4	Understand the concept of curing of concrete.	4.1----4.5		4	Expt No:- 03 Conduct cube test for concrete and interpret the results.
5	Understand the features of different special types of concrete.	5.1----5.4		5	Expt No:- 04 Conduct cylinder test for concrete and interpret the results.
6	Understand the supervisory aspects of concrete construction.	6.1----6.6		6	Expt No:- 05 Conduct brick masonry work to erect pillars of sizes 25 cm x 25 cm to 50 cm x 50 cm with English bond up to 5 layers .
7	Understand the aspects of foundation	7.1----7.4		7	Expt No:- 06 Perform brick masonry work to erect pillars of sizes 25 cm x 25 cm to 50 cm x 50 cm with Flemish bond up to 5 layers.
8	Understand the features of brick masonry.	8.1----8.7		8	Expt No:- 07 Construct sample corner (L) joints of 25 cm to 50 cm width English bond brick wall up to 5 layers.
9	Understand the purpose of bond in brick masonry	9.1----9.7		9	Expt No:- 08 Construct sample corner (L) joints of 25 cm to 50 cm width Flemish bond brick wall up to 5 layers.
10	Understand the features of composite masonry.	10.1----10.5		10	Expt No:- 09 Construct sample tee (T) joints of 25 cm to 50 cm width English bond brick wall up to 5 layers
11	Understand the features of partition wall.	11.1----11.7		11	Expt No:- 10 Construct sample tee (T) joints of 25 cm thick wall with 50 cm thick wall Flemish
12	Understand the features of cavity wall.	12.1----12.4		12	Expt No:- 11 Construct sample cross (+) joints of 25 cm to 37.5 cm width English bond brick wall.
13	Understand the features of cavity wall.	12.5----12.8		13	Expt No:- 12 Construct sample cross (+) joints of 12.5 cm to 25 cm width Flemish bond brick wall.
14	Understand the features of different special types of concrete.	13.1----13.5		14	Expt No:- 13 Discussion on all previous class.
15	REVIEW CLASS		15	REVIEW CLASS	
16	REVIEW CLASS		16	EVALUATION	