

Mymensingh Polytechnic Institute
Name of the Department: Civil Engineering
Outline Plan of On line Teaching (Semester Plan)

Week	Theory			Practical	
	Content	Activity	Teaching Materials	Expt. No.	Content
	General Objectives	Test / Quiz			Name of the Experiment
1	Understand the concept of floor slab.		Reference Book, Marker Pan, White Board, Multimedia		Introductory class & discussion on Practical of Design of Structure-2
2	Understand the principles of designing reinforced cement concrete one-way solid slab.			1	Prepare a model of one-way slab reinforcement. (simply supported).
3	Design one-way solid slab, cantilever solid slab, balcony slab, RB slab			2	Prepare a model of one-way slab reinforcement. (Fully continuous).
4	Understand the principles of designing reinforced cement concrete two-way solid slab.	Quiz Test - 1		3	Prepare a model of cantilever slab reinforcement.
5	Design Problem on reinforced cement concrete two-way solid slab in WSD method.			4	Prepare a model of two-way slab reinforcement
6	Understand the principles of designing reinforced cement concrete stair slab.			5	Prepare a model for RCC stair slab reinforcement.
7	Understand the principles of designing reinforced cement concrete Tied column.			6	Prepare a model of square tied column with footing.
8	Understand the principles of designing reinforced cement concrete Spiral column.	Class Test -1		7	Prepare a model of rectangular tied column with footing.
9	Understand the principles of designing reinforced cement concrete brick wall and concrete wall. footing.			8	Prepare a model of spiral column with footing as per drawing.
10	Understand the principles of designing reinforced cement concrete independent footing.			9	Prepare a model for RCC wall footing
11	Understand the principles of designing reinforced cement concrete cantilever retaining wall.			10	Prepare a model for RCC single column footing as per drawing
12	Design of R.C.C Cantilever non-surcharged retaining wall and surcharged retaining wall.	Quiz Test - 2		11	Prepare a model for cantilever retaining wall. (Non surcharged)
13	Understand the concept of prestressed concrete.			12	Prepare a model for cantilever retaining wall (surcharged)
14	Draw the typical drawing of Mat foundation, Combined footing & cantilever footing, Column and Beam Connection.			13	Review, Evaluation & Problem Solution
15	Draw the typical drawing of Flat slab & Flat plate slab, Under ground water reservoir, Ramp	Class Test -2		14	Review, Evaluation & Problem Solution
16	Review class			15	Review class