

Outline Plan of On line Teaching (Semester Plan)

Week	Theory			Practical	
	Content	Activity		Content	
	General Objectives	Test / Quiz	Teaching Materials	Expt. No.	Name of the Experiment
1	Understand shear force and bending moment of beams.		Reference Book, Marker Pan, White Board, Multimedia	1	Determine shear force & bending moment at different sections of simply supported beam with different types of
2	Understand shear force and bending moment of beams.			2	Determine shear force & bending moment at different sections of overhanging beam with different types of load
3	Understand the bending stresses in beams.			3	Determine the position of dangerous section and inflection point or point of contra flexure of overhanging beam and show in diagram.
4	Understand the bending stresses in beams.	Quiz Test - 1		4	Determine the bending stresses of circular, rectangular & hollow sections of beams and draw the diagrams.
5	Understand the shearing stresses in beams.			5	Determine the bending stresses of I, T, L sections of beams and draw the diagrams.
6	Understand the deflection of beams.			6	Determine the shearing stresses of circular and rectangular sections of beams and draw the diagrams.
7	Understand the deflection of beams.			7	Determine the shearing stresses of I & T sections of beams and draw the diagrams.
8	Understand the concept of steel structure and joints.	Class Test -1		8	Determine the section of homogeneous beam with respect to shearing stress and bending stress.
9	Understand the significance of welded connections.			9	Determine the deflection of cantilever and simply supported beam with respect to concentrated/distributed
10	Understand the action of forces in steel frames.			10	Draw the neat sketches of different type of riveted joints showing the mode of failures.
11	Understand the action of forces in steel frames.			11	Determine the forces developed on the member of a truss graphically.
12	Understand the stability of masonry dam.	Class Test -2		12	Prepare some models of different types of truss with suitable materials
13	Understand the elastic buckling of columns.			13	Draw a sketch of a pre-fabricated building and show the different elements in the figure.
14	Understand the concept of moving loads.			14	Preview
15	Understand the concept of Thin Cylindrical Shells			15	Preview
16	Class Preview & Evaluation	Quiz Test - 2		16	Preview