

Lesson Plan/ Course Break – up
PC/CE/11-P Structural Analysis-II Lab

Discipline	B.Tech in Civil Engineering
Semester	5 TH SEM(3 RD YEAR)
Subject	Structural Analysis-II Lab
Lesson Plan Duration	15 Weeks
Work Load (Lecture / Practical) per week (in hrs.)	Lectures – 02

Week	Practical Name
1 ST	Experiment on a two hinged arch for horizontal thrust & influence line for Horizontal thrust
2 ND	Experiment on a two hinged arch for horizontal thrust & influence line for Horizontal thrust
3 RD	Experimental and analytical study of a 3-bar pin-jointed Truss.
4 TH	Experimental and analytical study of deflections for unsymmetrical bending of a Cantilever beam.
5 TH	Begg's deformeter- verification of Muller Breslau principle
6 TH	Begg's deformeter- verification of Muller Breslau principle
7 TH	VIVA VOCE-I
8 TH	Experimental and analytical study of an elastically coupled beam.
9 TH	Sway in portal frames - demonstration
10 TH	Sway in portal frames - demonstration
11 TH	To study the cable geometry and statics for different loading conditions
12 TH	To study the cable geometry and statics for different loading conditions
13 TH	To plot stress-strain curve for concrete.
14 TH	VIVA VOCE-II
15 TH	To plot stress-strain curve for concrete.