

Department of Civil Engineering
II B.Tech II SEM (B), SA-1, 2015-16
LESSON PLAN CH. Kannam Naidu

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
3,4	21-12-2015	Introduction to structural analysis	1	C.R	2
3,4	28-12-2015	Introduction to Static and Kinematic indeterminacy	1	C.R	4
5,6	31-12-2015	method of joints-cantilever and simply supported trusses	1	C.R	6
3,4	04-01-2016	method of sections-cantilever and simply supported trusses	1	C.R	8
5,6	07-01-2016	Solving problems	1	C.R	10
3,4	11-01-2016	Three Hinged Arches: Elastic theory of arches	2	C.R	12
3,4	18-01-2016	Determination of horizontal thrust, bending moment, normal thrust and radial shear	2	C.R	14
5,6	21-01-2016	Solving problems	2	C.R	16
3,4	01-02-2016	Eddy's theorem & effect of temperature	2	C.R	18
5,6	04-02-2016	Analysis of propped cantilever	3	C.R	20
3,4	08-02-2016	propped cantilever beam with various loads	3	C.R	22
5,6	11-02-2016	Solving problems on propped cantilever beam with various combination of loads	3	C.R	24
3,4	15-02-2016	Analysis of Fixed beams	3	C.R	26
5,6	18-02-2016	Fixed beams with various loads	3	C.R	28
3,4	22-02-2016	Solving problems on Fixed beams with various combination of loads	3	C.R	30
5,6	25-02-2016	Clapeyron's theorem of three moments	4	C.R	32
3,4	29-02-2016	Analysis of Continuous Beams	4	C.R	34
3,4	10-03-2016	Problems of continuous beams with various load combinations	4	C.R	36
3,4	14-03-2016	Problems of continuous beams with one or both ends fixed & overhang	4	C.R	38
5,6	17-03-2016	Solving problems on continuous beams	4	C.R	40
3,4	21-03-2016	Moving Loads –Introduction, maximum S.F. and B.M. at a	5	C.R	42

		given section			
5,6	24-03-2016	absolute maximum S.F. and B.M. due to single concentrated load	5	C.R	44
3,4	28-03-2016	absolute maximum S.F. and B.M. due to UDL longer than span , UDL shorter than span	5	C.R	46
5,6	31-03-2016	Influence Lines : Definition of influence line , of influence line reactions	5	C.R	48
3,4	04-04-2016	influence line for S.F., influence line for B.M. Load position for maximum S.F. at a section	5	C.R	50
5,6	07-04-2016	Load position for maximum B.M. at sections, single point load	5	C.R	52
3,4	11-04-2016	Revision	All units	C.R	54

NOTE: C.R- Class Room Teaching (Black board, PPT)

  
Signature