

Department of Civil Engineering

II B.Tech II SEM (A), SA-1, 2015-16

LESSON PLAN G. GOWRI SANKAR RAO

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
3,4	23-12-2015	Analysis of pin jointed plane frames, determination of forces in members of plane, pin jointed, perfect trusses- method of joints and method of sections	1	C.R	2
1,2	27-12-2015	Solving problems	1	C.R	4
3,4	30-12-2015	Solving problems	1	C.R	6
1,2	05-01-2016	Solving problems by method of joints and method of sections	1	C.R	8
3,4	08-01-2016	Solving problems on cantilever trusses	1	C.R	10
1,2	19-01-2016	Three Hinged Arches: Elastic theory of arches – Eddy's theorem – Determination of horizontal thrust, bending moment, normal thrust and radial shear	2	C.R	12
3,4	22-01-2016	Solving problems	2	C.R	14
3,4	29-01-2016	Solving problems	2	C.R	16
1,2	02-02-2016	Solving problems	2	C.R	18
3,4	05-02-2016	Solve the problem with effect of temperature	2	C.R	20
1,2	09-02-2016	Propped Cantilever Beam: Analysis of propped cantilever beam with U.D.L, central point load, eccentric point load, and number of point loads	3	C.R	22
3,4	12-02-2016	Solving problems and draw the Shear force and bending moment diagrams	3	C.R	24
1,2	16-02-2016	Solving problems	3	C.R	26
3,4	19-02-2016	Fixed Beams: Introduction to statically indeterminate beams with U.D.L, central point load	3	C.R	28
1,2	23-02-2016	Solving problems and draw the Shear force and bending moment diagrams	3	C.R	30
3,4	26-02-2016	eccentric point load, number of point loads & Solving problems	3	C.R	32
1,2	01-03-2016	Continuous Beams : Introduction- Clapeyron's theorem of three moments- Analysis of continuous beams with constant moment of	4	C.R	34

		inertia with one or both ends fixed			
3,4	04-03-2016	Solving problems	4	C.R	36
1,2	08-03-2016	continuous beams with overhang	4	C.R	38
3,4	11-03-2016	continuous beams with different moment of inertia for different spans, shear force and Bending moment diagrams	4	C.R	40
1,2	15-03-2016	Solving problems	4	C.R	42
3,4	18-03-2016	Moving Loads –Introduction, maximum S.F. and B.M. at a given section and absolute maximum S.F. and B.M. due to single concentrated load	5	C.R	44
1,2	22-03-2016	Solving problems	5	C.R	46
1,2	29-03-2016	UDL longer than span , UDL shorter than span	5	C.R	48
3,4	01-04-2016	Influence Lines : Definition of influence line , of influence line reactions , influence line for S.F., influence line for B.M.	5	C.R	50
1,2	12-04-2016	Load position for maximum S.F. at a section – Load position for maximum B.M. at sections, single point load	5	C.R	52

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


Signature