

Department of Civil Engineering

III B.Tech II SEM (A), DSS, 2015-16

LESSON PLAN G.NARASIMHA MURTHY

Period	Date	Topic	Unit No	Teaching Methodology	Cumulative Periods
3,4	05-01-2016	Introduction to design of steel structures, brief discussion on IS code and data book	I	C.R	2
5,6	06-01-2016	General discussion on various material used in construction and compared with steel as structural material	I	C.R	4
3,4	12-01-2016	Different methods of analysis and design	I	C.R	6
5,6	13-01-2016	Brief explanation on limit state design	I	C.R	8
3,4	19-01-2016	Discussion of topics in present course and outcomes, Introduction to different types of connections	I	C.R	10
5,6	20-01-2016	Advantages and disadvantages of welding, Types of welds	I	C.R	12
3,4	26-01-2016	IS code recommendation for welding	I	C.R	14
5,6	27-01-2016	IS code recommendation for welding	I	C.R	16
3,4	02-02-2016	Simple design problems on welded connections	I	C.R	18
5,6	03-02-2016	Simple design problems on welded connections	I	C.R	20
3,4	09-02-2016	Design of fillet weld & butt weld subjected to moment acting in plane and acting at right angles	I	C.R	22
5,6	17-02-2016	Design of fillet weld & butt weld subjected to moment acting in plane and acting at right angles	I	C.R	24
3,4	18-02-2016	Introduction to flexure members(IS code recommendation)	I	C.R	26

5,6	24-02-2016	Different types of failures of members subjected to bending, design procedure for different types of beams	I	C.R	28
3,4	25-02-2016	Design of laterally supported beam	II	C.R	30
5,6	01-03-2016	Design of laterally supported beam	II	C.R	32
3,4	02-03-2016	Design of laterally unsupported beam	II	C.R	34
5,6	08-03-2016	Introduction to tension members, IS code recommendations	III	C.R	36
3,4	09-03-2016	Types of failures of tension members	III	C.R	38
5,6	15-03-2016	Analysis problems	III	C.R	40
3,4	22-03-2016	Design of tension members	III	C.R	42
5,6	23-03-2016	Introduction to compression members, IS code recommendation	III	C.R	44
3,4	29-03-2016	Design of single section compression member	III	C.R	46
5,6	30-03-2016	Design of laced columns, Design of battened columns	III	C.R	48
3,4	06-04-2016	Introduction to gantry girder, types of sections used, different forces acting on gantry girder	IV	C.R	50
5,6	07-04-2016	Design of gantry girder	IV	C.R	52
3,4	13-04-2016	Design of gantry girder	IV	C.R	54
5,6	14-04-2016	Introduction to plate girders, IS code recommendations	V	C.R	56
3,4	20-04-2016	Design of plate girder without web stiffeners	V	C.R	58
5,6	21-04-2016	Design of plate girder without web stiffeners	V	C.R	60
3,4	27-04-2016	Design of plate girder with web stiffeners	V	C.R	62

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

G. Murthy
Signature