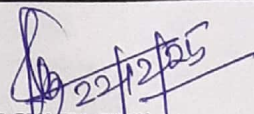


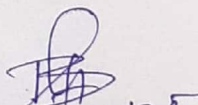
## LESSON PLAN ( SUMMER-2026 )

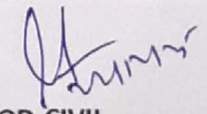
SUBJECT - THEORY OF STRUCTURE, SEMESTER- 4TH SEM. CIVIL

FACULTY- ER. SASHIDHAR BEHERA & ER. BIJAYLAXMI HEMBRAM

S. No	Week	Unit	No. of Classes	Topic to be Covered
1	Week 1 (22-27 Dec)	Unit-I	3	Introduction, axial load, direct stress
2	Week 2 (29 Dec-03 Jan)	Unit-I	3	Eccentric loading, stress distribution
3	Week 3 (05-10 Jan)	Unit-I	3	Middle third rule, core of section
4	Week 4 (12-17 Jan)	Unit-I	3	Stresses in chimneys & dams
5	Week 5 (19-24 Jan)	Unit-II	3	Slope & deflection – basic concepts
6	Week 6 (26-31 Jan)	Unit-II	3	Curvature, double integration method
7	Week 7 (02-07 Feb)	Unit-II	3	Macaulay's method (numericals)
8	Week 8 (09-14 Feb)	Unit-III	3	Determinate & indeterminate structures
9	Week 9 (16-21 Feb)	Unit-III	3	Fixed beams, fixed end moments
10	Week 10 (23-28 Feb)	Unit-III	3	Three-moment theorem
11	Week 11 (02-07 Mar)	Unit-IV	2	Moment Distribution Method – basics
12	Week 12 (09-14 Mar)	Unit-IV	3	MDM problems for continuous beams
13	Week 13 (16-21 Mar)	Unit-IV	3	Portal frames – problems
14	Week 14 (23-28 Mar)	Unit-V	3	Trusses: types & reactions
15	Week 15 (30 Mar-04 Apr)	Unit-V	3	Method of joints
16	Week 16 (06-15 Apr)	Unit-V	3	Method of sections, revision & test
		<b>TOTAL</b>	<b>47</b>	

  
FACULTY-CIVIL  
JES JHARSUGUDA

  
22/12/25

  
HOD-CIVIL  
JES JHARSUGUDA