

Samrat Ashok Technological Institute, Vidisha (M.P.)

LECTURE PLAN

CE-1853, SDD-I (R.C.C.), 5th Sem

Session: July-December- 2023

S.No.	Course to be covered	Expected Date	Scheduled ate	Period No./Time	Remark	Signature
1	UNIT-1: Introduction to Reinforcement Ststructure	25/07/2023, Tuesday		1, 10-11 AM		
2	Introduction to R.C.C. Codal provisions, IS-456-2000	26/07/2023, Wed		2, 11-12 AM		
3	Working stress and Limit state method for design, Stress-strain r/s, Formulations	27/07/2023, Thurs		2, 11-12 AM		
4	RCC LAB-1: Tutorials of UNIT-1	31/07/2023, Monday		2-4 PM	Assignment-1	
5	UNIT-2: Introduction of building compenents and their importance	1/08/2023, Tuesday		1, 10-11 AM		
6	Design of Beams Intro.	2/08/2023, Wed		2, 11-12 AM		
7	Singly reinforced beam design	3/08/2023, Thurs		2, 11-12 AM		
8	RCC LAB-II: Numericals on singly reinforced beam, Tutorial and Sheet design of singly reinforced beam	7/8/2023, Monday		2-4 PM	Assignment-1 Checking & New Assignment-2 Will be given	
9	Design of doubly reinforced beam	8/08/2023, Tuesday		1, 10-11 AM		
10	Equations and design step for numericals for singly reinforced beam	9/08/2023, Wed		1, 10-11 AM		
11	Equations and design step for numericals for doublyreinforced beam	10/08/2023, Thurs		1, 10-11 AM		
12	RCC LAB-III: Numericals on singly reinforced beam, Tutorial and Sheet design of singly reinforced beam	14/8/2023, Monday		2-4 PM	Assignment-2 Will be checked	
15th August: Independence Day Celebration						
13	ASSESSMENT QUIZ-1 OF UNIT-1: BASIC PRINCIPLES OF STRUCTURAL DESIGN	16/08/2023, Wed		2, 11-12 AM	Marks:10	
13	UNIT-3: Introduction of Design of Slab	17/08/2023, Thrus		2, 11-12 AM		
14	RCC LAB-IV: Introduce way and two way slab	21/08/2023, Monday		2-4 PM	Assignment-1 & 2 Will be checked	
15	Numericals on Design of one way slab	22/8/2023, Tues		1, 10-11 AM		
16	Numericals on Design of one way slab	23/8/2023, Wed		2, 11-12 AM		
17	Numericals on Design of Two way slab	24/8/2024, Thurs		2, 11-12 AM		
18	RCC LAB-V: Numericals on Design of Two way slab and Drawing Sheet preparation	28/8/2023, Monday		2-4 PM	Assignment-3 Design of OneSlab will be givem	
19	Revision OF UNIT-1: BASIC PRINCIPLES OF STRUCTURAL DESIGN, UNIT-2: Design of Beams , UNIT-3 Design of Slab	29/08/2023, Tues		1, 10-11 AM		
RAKSHABANDHAN 30th August (Wednesday) 2023						

20	Introduction to circular slab, waffle slab, Flat slab, Yield line theory	31/8/2023, Thurs		2, 11-12 AM		
21	RCC LAB-VI: Numericals on Design of Two way slab and Drawing Sheet preparation	4/9/2023, Monday		2-4 PM	Assignment-4 Design of Two Way Slab will be given	
22	ASSESSMENT QUIZ-2 OF UNIT-2: Design of Beams	5/9/2023, Tues		1, 10-11 AM		
23	Revision: UNIT-3, Design of Slab	6/9/2023, Wed		2, 11-12 AM		
7th September , Thursday, 2023, Shri KRISHNA- JANMASHTMI FESTIVAL						
24	RCC LAB-VII: Numericals on Design of Two way slab and Drawing Sheet preparation	11/9/2023, Monday		2-4 PM	CHECKING of Drawing sheet submission of BEAMS & SLABS	
25	UNIT-4: Columns & Footings	12/9/2023, Tues		1, 10-11 AM	Introduction	
26	Design of Columns as per Indian standard specifications	13/9/2023, Wed		2, 11-12 AM		
27	Design of Columns as per Indian standard specifications	14/9/2023, Thurs		2, 11-12 AM		
28	RCC LAB-VIII: Numericals on Design of COLUMNS	18/9/2023, Monday		2-4 PM	Drawing Sheet Preparation	
29	Design of Short-Columns as per Indian standard specifications	19/9/2023, Tue		1, 10-11 AM		
30	Design of Short-Columns as per Indian standard specifications	20/9/2023, Wed		2, 11-12 AM		
31	Design of Long- Columns as per Indian standard specifications	21/9/2023, Thurs		2, 11-12 AM		
32	RCC LAB-IX: Numericals on Design of COLUMNS	25/9/2023, Monday		2-4 PM	Drawing Sheet Preparation	
33	Design of Footing	26/9/2023, Tues		1, 10-11 AM		
34	Isolated and Combined Footing	27/9/2023, Wed		2, 11-12 AM		
MID SEM-1 from 29th September 2023						
35	RCC LAB-X: Numericals on Design of FOOTINGS	9/10/2023, Monday		2-4 PM	CHECKING of Drawing sheet submission of Columns & Footing	
36	UNIT-5: STAIRCASE	10/10/2023, Tues		1, 10-11 AM		
37	Numerical Problems of design of staircase	11/10/2023, Wed		2, 11-12 AM		
38		12/10/2023, Thurs		2, 11-12 AM		
MID SEM-2 from 16th October 2023						
BREAK FROM 23rd Oct to 27th Oct 2023						
39	RCC LAB-XI: Numericals on Design of FOOTINGS	30/10/2023, Monday		2-4 PM	CHECKING of Drawing sheet submission of Columns, Footing, Staircase	
40	REVISION	31/10/2023, Tues		1, 10-11 AM		