Dairy No. 2406 & Boy Date 11 8124 3

								Pish	Kangra M		
				The second secon	Civil Engineeri				rangro		
			(	Distt - Kang	ic for Women Re ra (H.P.) – 17602	ehan 2					
					ON PLAN	••					
		Program Name		2,200		Ci	vil Engineering				
Subject Name					Design of RCC Structures						
		Subject Code Semester				CEPC301					
	5	Subject Teacher Na	me				5th Semester Amish Rehalia				
	-	Study scheme									
Sr. No.	Subject Name	(Hrs/Week)		Marks in Evalua Internal Assessment			tion Scheme				
		Th	DCS	Th	Pr	Total	Th	Pr	Total		
1		2	2	40		40	60	0.5	60		
eference Book		Shah, V. L., and K	Carve, S.R., Limit	State Theory and	Design of Reinforce	ed Concrete Structure	s, Structures Publi	cations, Pune			
crerence Book		Singh, Birender, R	teinforced Cemen	t Concrete Design	, Kapson Publicatio	n					
CO - 1	Know the co	oncept of shear, b	ond, and dev	elopment lengt	hs.						
CO - 2		imply Supported		F	acestée.						
CO – 3		way and two-way									
CO - 4	Identify and	Design short and	d long column	ıs.							
	2			Name of Topic			Proposed Date	Actual Date	Remarks		
1	- Status	Design Philosophies: Working Stress Theory, Ultimate Design Theory, Limit State Theory Concept of Reinforced Cement Concrete (RCC) Reinforcement Materials					13-08-2024				
3	UNIT-1 Introduction to R.C.C Designing using Limit State Method	Suitability of Steel	14-08-2024								
4		Properties of mild steel and HYSD steel									
5		Loading on structu									
6		Study of BIS:456-2 23.2, 23.3, Clause2 clause 41, clause42	16-08-2024								
7	Bond, and Development I engith		S								
8		Nominal Shear stress in R.C. Section, Design shear strength of concrete, maximum shear stress, Design of shear reinforcement, Minimum shear reinforcement, Forms of shear reinforcement with numerical problems					20-08-2024				
9							&				
10							21-08-2024				
11		Bond and types of l	onds, Bond Stree	22-08-2024							
12		and compression, anchorage value for hooks 90° bend and 45° bend. Standard Lapping of bars, check for development length.					23-08-2024				
13											
14	<u> </u>			27-08-2024							
15	I I	Determination of de and slab, check for		28-08-2024							
16				29-08-2024							
17		Limit State of collar		a for some	secul market solu		30-08-2024				
18		Assumption stress:					03-09-2024				
19		Stress block diagram			norced section.		04-09-2024				
20		Concept of under- re			ting uplus of	ent of recistors as a	05-09-2024				
21	UNIT-III Analysis and Design of Singly Reinforced	over-reinforced and limiting percentage	06-09-2024								
22		steel required for ba	10-09-2024								
23		Simple numerical pr	Simple numerical problems on determining design constants								
24							12-09-2024				
25	- 1	Class Test-I	The state of the s	13-09-2024							
26	+	m o m e n t of resista	18-09-2024								
27	ł.	Design of Singly rei					19-09-2024				
28		Design of Singly rei	20-09-2024								



	Na	me of test	Syllabus for Tests	Proposed Date	Actual Date	Remarks
63					29-11-2024	6
62	UNIT	short  square, rectangular, and circular columns with lateral ties only; check for short column and check for minimum eccentricity may be applied.				
61	d II.	short	the and standard of the city between	28-11-2024		
	F. E	Analysis and Do	esign of axially loaded: Uniaxial & Bia	27-11-2024		
60	ign of Axially Loaded amn (LSM)	maximum reinfo	orcement, number of bars in rectangula acing of lateral ties. (No numerical on	26-11-2024		
59	lly Los	Definition and c minimum reinfo	lassification of columns, effective leng reement; cover,	22-11-2024		
58	P	10.000 and 0.000	limit state of collapse-compression	21-11-2024		
57		reinforcement		20-11-2024		
56	-	Design of two-v	way simply supported slab with corners	19-11-2024		
55	-			14-11-2024		
54	+	Trouse rest				
53	N <sub>2</sub>	House Test		13-11-2024		
52	1.V.1	reinforcement.		12-11-2024		
	UNIT-VI Two Way Slab (LSM)	Design of two-v	way simply supported slab with corners	08-11-2024		
51	ay Slat		way simply supported slab with corners	07-11-2024		
50	(LSM	Design of two-v	way simply supported slab with corners	06-11-2024		
49	_	reinforcement.	550 TAB 1775	05-11-2024		
48		Design of two-v	way simply supported slab with corners	01-11-2024		
47		reinforcement.		25-10-2024		
46			way simply supported slab with corners	24-10-2024		
45		/marysis & Des	ngar or annipry supported one-way \$120.	23-10-2024		
44	N N	Analysis & Des	ign of simply supported one-way slab.	22-10-2024		
43	UNIT-V Design of One-Way Slab (LSM)	Analysis & Des	ign of simply supported one-way slab.	18-10-2024		
42	Jesign					
41	of One		ign of simply supported one-way slab.	15-10-2024 16-10-2024		
40	, e W =	Class test -2	ign of simply supported one-way slab.	15-10-2024		
38	्रे वह		ign of simply supported one-way slab	10-10-2024		
37	(LSM)		ign of simply supported one-way slab.	09-10-2024		
36			ign of simply supported one-way slab.	08-10-2024		
35	- 3	Numerical prob	lems on finding moment of resistance.	04-10-2024		
34	NIT	Depth of neutra	l axis, moment of resistance of the section	03-10-2024		
33	UNITAY Analysts and Design of Boubly Reinforced Sections (LSM)	Strain diagram,			01-10-2024	
32	anyte orced	Analysis of dou	bly reinforced section	27-09-2024		
31	Section					
30	Design	General features	s. necessity of providing doubly reinforce	25-09-2024		

Sknat Collect

House Test - I

Approved

li h

Principal

Govt. Polytechnic for Women

Rehan Distr. Kangra (H.P.)

unit 1-5

(Signature of HOD)

12-13-14 nov