	SHAHEE	D BHA	GAT S	INGH S	TATE	TECH	NICA	L C	AMPI	US, I	EROZ	EPUR	
	LL No:		TT	m P				T	Tot	al nu	mber	of page	m:01
			1						Total	nun	aber of	questio	na:64
				St	ructur oject C	H 3rd c Desig Code : A per ID :	n - H R-305		RP				
Time	allowed:	3 Hrs			,	, , , , ,	, , , , ,	2	M	ax M	arks: [60]	
	ortant Inst		s:	- TE									
•	All ques		-	-									
•	Assume	any mi	ssing da	ta									
				•	PA	RT - A					(2 x	6 = 12)	
	a) What ar b) What do							onst	ruction	n.			
	c) Define of			ricciive	асриі	or a occ	ш.						
	d) How wi	ll you d	efine a		lumn.								
	e) What is						-formed						
2 -2 -3	f) Under w	mat con	ditions	phe fou	ndatioi	is are pr	elerred	•					
					PA	RT-B					(4 x 1	2 = 48)	
Q 2.	A reinformly beam is r steel if re	y distrib estricte	outed load to 300	ad of 25 0 x 500 i	000 N mm, d crete a	/m incluetermine	ding its	s ow	n wei	ght.	If the si	ze of the	е
	A cantile	ver bear	m 3m s	pan is to			rimpose	ed lo	ad of	8000)N/m. [The bear	n
	has a correinforce	stant ci	oss sec	tion of 3	300mn	1 x 5001							
Q 3.	Design a including				of gra								
	Reinforce reinforce			slabs a			afe in	shea	r and	do	not req	uire she	ar
Q 4.	What are requirement	colum ents for	ns. Wha design	it are di	nns.		of colu	ımns	. Ехр	lain	differe	nt IS co	de
	Design a axial load	circula of 700	ır colun KN. σ _{cc}	n of 81 = 4N/n	n effe	Or ctive he sc = 130	eight ar N/mm²	nd 40	00mm	dia	meter t	o carry	an
Q 5.	Explain of foundation	lifferen ns.	t types	of four			tail. E	xplai	n the	cau	ses of	failures	of
	A reinfore the wall.	ced con Design	crete w the foot	all 150r ing if th	nm thi	Or ick is to ring cap	carry acity o	a loa f the	d of a	400,0 s 201	000N/m /m².	netre rur	of