Re	eg.	No:]		
		SIDDH	ARTI	H INS	TITU	TE O					TECI	INOL	OGY::	: PUTTUF	2
		B.T	ech II	I Yea			er Suj ORT	pplem ATIC	N EN	y Exa GINI			Februar	ry-2022	
Tir	ne: 3	3 hours					(C	IVII E	nginee	ering)				Max. M	arks: 60
1 11		nouib						PAR	T-A					101001111	unks. 00
					(Ansv	wer al	l the (Questi	ons 5 s	x 2 = 1	10 Ma	rks)			
1	a Define super elevation.													2M	
	b Define 'Optimum Cycle Time' used in Signal Design by Webster method.													2M	
	c	What are the different types of rails used?												2M	
	d													2M	
	e Define grade compensation													2M	
							11 5.	PAR		0 5		1			
					(Ans	swer a	II Fiv	-	s 5 x 1	0 = 5	0 Mar	ks)			
								UNI							
2	a	List the			-	OSD.	Expla	ain La	g dista	nce ai	nd Bra	king o	listance	•	5M
	b	Explain	PIEV	theor	у.				D						5M
2	WIL	at are th	o on oi	noonir	0.011		- due	O tod to		alian	une quet	ofoh		0	1014
3		at are th						UNI	Г-II						10M
4		at are sentatior		•			ffic Y	Volum	ie stu	dies?	What	t are	the m	ethods of	` 10M
								0]							
5	Exp	Explain grade separated intersections, the advantages and limitations UNIT-III													
6		at are th cuss the					idered	d for tl	ne desi	ign of	flexib	ole and	l rigid p	oavements	10M
			C					0	R						
7	Cla	ssify dif	ferent	types	of joir	nts in	CC pa	uni7	and the second se	d men	tion th	ne obje	ects of e	each	10M
8	a	Draw a	typica	1 cross	s sectio	onof	nerma	and provide the state of the second state		d sho	w vari		mnone	onte	6M
0	a b	What ar											Jinpone	mis.	4M
	N.	vv nat ui	e the t	ia van	.u505 u	ind dit	sau vai	O]		lerete	sicep				-1111
9	a	Explain	for co	ning o	of whe	els.		U.							5M
	b	What ar		-			t?								5M
								UNI	Г-V						0111
10	a	Explain	brief	v ahoi	it type	sofM	larsha	Concernance of the second							5M
	b	What is			• •					limit	sofe	ant de	ficiency	J	5M
	~		500000			- 10040	5 0110	O]			.5 01 0	ant ac			JIVE
11	Dis	cuss brie	efly ab	out st	ations	with c	liffere								10M

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END

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