Q.P.	QP. Code: 19EE0224													R19		
Rea		Jo.											1			
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	S	SIDDH	ART	H INS	TITU	TE O					TECH	INOL	LOGY	':: PU	TTUR	Ł
	B.	Tech	VVo	arls	omoe	tor D		TON			Nov	ombo	r/Doc	omb	er-202	22
	Ъ.	rechi	vied	arro	emes	ler K		$\overline{\mathbf{ER}}$			NOV	empe	mDet	Jemp	er-202	22
Time	. 21	hours			(El	ectrica	al and	Electr	ronics	Engir	eering	g)		N	or M	
Lune		nours												IVI	ax. Ma	arks: 60
					(An	swer	all Fi	ve Uni	and the second second	12 =	60 Ma	arks)				
								UN	IT-I							
1		a Draw and explain ITI curve.												L2	10M	
	b	b Define notching.													L2	2M
2		Evala	in the						DR						т 1	1014
Z	a b	a Explain the power quality terminology.b What is meant by surge.													L1 L1	10M 2M
	U	vv IIai	L 15 1110		y surge	ε.		TIN	IT-II						11	2111
3	а	Fypla	in the	long	durati	on vo	ltago	-							L2	5M
5	b	-		-			0								LZ L1	5M
	c													L1	2M	
		OR													2111	
4	a	Expla	in in d	detail	the ro	le of d	capaci	tors fo	or the	volta	ge reg	ulatio	n.		L1	10M
	b				ption		-								L2	2M
	UNIT-III															
5	a	What	is ha	rmon	ic dist	ortior	n? Dis	cuss a	bout	the ve	oltage	versu	is cur	rent	L2	10M
	a What is harmonic distortion? Discuss about the voltage versus current distortion.															
	b What is meant by harmonics?											L2	2M			
		OR a Write the impact of voltage distortion and current distortion.														
6				-		0									L3	5M
	b	b Explain the commonly used indices for measuring of harmonic content									tent	L1	5M			
	in the waveform.											014				
	С														L2	2M
7		UNIT-IV Write a short note on power quality monitoring standards.														1014
7								ty mo	nitori	ng sta	ndarc	ls.			L2	10M
	U	What	. 15 1116		y true	KIVI3:		C	R						L3	2M
8	a	Expla	in abc	out va	rious r	ower	quali			g equ	inme	nt			L1	10M
		Explain about various power quality measuring equipment.Why the flicker meter is needed?											L2	2M		
		,						UNI	T-V							
9	a	What are the advantages of static VAR compensators? Discuss th										the	L2	10M		
					c Serie					ŗ						
	b	What													L2	2M
						•		0	R							
10		How		-						-	ges? D	iscuss	•		L2	10M
	b	Give	the lis	t of tv	vo gro	ups cu				ces?					L1	2M
								** EN Page 1								