Q	Q.P. Code: 16EC410														
R	Reg. No:]		
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		B.TEC	HIIY	ear II		ester PULSE		DIG	ITAL				December 2018		
Ti	me: 3	hours	5					(EC	E)				Max. Marks: 60		
					(Ans	wer al	l Five			12 = 6	0 Ma	rks)			
1	a. b.					vircuit v		as an				n.		6M 6M	
	υ.	b. Draw the response of Integrator for ramp input and explain. OR													
2	a.	with neat sketches.										6M			
	b.	 Explain any two applications of two independent levels Clipper in signal processing or communications. UNIT-II 													
3	a.														
	b.	b. Design an astable multivibrator to generate 50% duty cycle square wave of 2KHz. OR													
4		OR Design a Schmitt trigger circuit to have Vcc=12v, UTP=6v, LTP=3v, using two npn transistors with hfe(min)=60.													
								UN	IT-II	ſ					
5	-	lain the basic principles of Miller and Bootstrap time-base generators. Give the parison of both the generation methods. OR												12M	
6	Find	the co	mnon	ent val	ueso	f a boc	tstran			rator	Given	Vcc	= 18 V		
Ū		Find the component values of a bootstrap sweep generator, Given V $_{CC} = 18$ V, I _C (sat) = 2 mA and h fe(min) = 30.										12M			
7	a. b.	-				l and b s are ca		inear g	-	ing ga	tes.			8M 4M	
8		With the help of neat diagram explain the working of bidirectional sampling gate using transistors?													
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9	a. b.					NANE s of Cl		over th	-				ıgram.	8M 4M	
10	a.	Expla	in the	synch	roniz	ation o	f swee			th sym	metri	c signa	als.	6M	
	b.	How	a sine	wave	frequ	ency di		n is do ***EN		h a sw	eep ci	rcuit.		6M	