: :***·	Gödë No: 1	114DN:::::::::::		ii i .		R13	***
		HARLAL NEHI	RU TECHNOL			ERABAD	: ;
B.Tech II Year II Semester Examinations, May - 2016 PULSE AND DIGITAL CIRCUITS (Common to ECE, ETM)							
	Time: 3 Ho	ours	(Common t	o ece, e i mi)	Max	Marks: 75	
* * * * * * * * * * * * * * * * * * *	Note: This	s question paper co	ontains two part	s A and B.	****		x = = = = = = = = = = = = = = = = = = =
	Part Part	A is compulsory B consists of h question carries	which carries 25 5 Units. Answ	5 marks. Answer ver any one fu	ll question fro		
		AC	PAI	RT - A	AC	(25 Marks)	* * * * * * * * * * * * * * * * * * *
		y does resistive att				[2] ramp input. [3]	
	d): Exp	w the basic circuit lain the working o	of an ëmitter cou	pled çlîpper.	er circuit	[2] [3]	****
	f) Exp	lain the effect of p	of saturation par		stor with temper		
		ne UTP and LTP. te the difference		t time base gen	erator and volt		
× * × * * * * * * * * * * * * * * * * *	i) Drav	erators	OR gate using di	odes.		[3]. [2]:	***
	j) Expl	lain the principle of	of synchronization	on.		[3]	
			PAR	T - B		(50 Marks)	
Œ	i i i iii valu half	mmetricat square e is zero is applicated of the square ain the working o	ed to an RC int are wave. Find t	egrating circuit. the peak to peak	The time const value of the out	ant is equal to	
·	3.a) Deri	ve the expressio		OR of integrating	circuit and pr	ove that it is	
E	b) prop	ortional to time co w the response of s for a fixed value	onstant and inve	rsely proportiona	ıl to upper 3 dB	frequency	
		, ,	,···, ,···,		****, ****,		.***.
		AG		MG		HÜ	* * * * * * * * * * * * * * * * * * *
		PE	MG	FG	FIC	FIG	* * * * * * * * * * * * * * * * * * *

