

R13

ode No: 114DN / III K13 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

PULSE AND DIGITAL CIRCUITS (Common to ECE, ETM)						
Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer a Part B consists of 5 Units. Answer any one full Each question carries 10 marks and may have a, b, c as a second				ll question from each unit.		K9
A	Y A A WAY A	PA	RT - Å:	* * * * * * * * * * * * * * * * * * *	(25 Marks)	* * * * * * * * * * * * * * * * * * *
b) Deriv	ve an expression	for the output o	be compensated. f a high-pass circu	uit excited by a	[3]	
e) Expl f) Expl g) Defi	withe basic circuit ain the wörking of ain the effect of ain the variation ne UTP and LTP ethe difference	stor with tempe	[2]	KS		
i) Drav	wrators with the diagram of ain the principle	or syncinomzat	ion.		[3]	*****
half	-period of the squ	e wave whose point in RC in are wave. Find of high-pass RC	eak-to-peak; amplitegrating circuit. the peak to peak circuit as a differ	value of the out	1	KS
b) Dray	ortional to time of	on for rise time constant and inverse fithe circuit for	ne of integrating ersely proportiona step input critica	al to upper 3 dB	frequency	KS
K9	K9	K9	ok K9	K9	K9	KS

