DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination – DEC 2018

]	Branch: B. Tech	Semester: III		
	Subject Name: Electroni	c devices and Circuits	Subject Code: BTEXC303	
	Max Marks: 60	Date:- 05/12/2018	Duration:- 3 Hrs.	
	3. Illustrate your ans4. If some part or paand should mention	orries 12 Marks questions of the following swers with neat sketches, diagram brameter is noticed to be missing, y on it clearly	etc., wherever necessary ou may appropriately assume it	
Q. 1	Attempt Any Two ques			
		uction and working principle of JI	EL 06	
	b) Describe FET as an A	mplifier and its Analysis(CS)	06	
	c) Explain about FET as	High Impedance Circuits	06	
Q.2	a) Briefly Explain the C	haracteristics of N-Channel E-MO	OSFET 06	
V.*		Non-Ideal Voltage current charact		
0.3	a) Explain the Classific	ation of amplifier in details	06	
V ••		out various feedback topologies	06	
Q.4	Attempt Any Two que	stions of the following		
		ausen criterion for oscillator	06	
	b) Draw and explain the RC Phase shift Oscillators		06	
		and colpitts oscillators	06	
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Q.5	a) Briefly Explain abou	nt the IC 555 Block Diagram	06	
		lications of IC 555 in Engineering	06	
Q.6	Attempt Any Two questions of the following			
	a) Explain about adjus	table three terminal positive (LM	317) regulators with 06	
	neat diagram			
	b)Briefly Explain SM	PS with Neat diagram	06	
	c) Write Down the Co	mparison of Linear power supply	and SMPS 06	
		*** End ***		

