Roll No		Total Pages : 02	4.	. Exp	lain the following terms:	•	
				(a)	Operating point of Transistor	5	
	BT-2/M-19	32031	² O,	(b)	Brasing circuit for Transistor	5	
BASICS OF ELECTRONICS ENGG.			G	(c)	Amplifying action of BJT.	5	
ECE-101N			•	Unit III			
Time: Three Hours] [Maximum Marks: 75			5.	. Disc	cuss the characteristics and basic parameter	s of	
Note: Attempt Five questions in all, selecting at least one				OPA	OPAMP. 15		
Ç	question from each Unit.	S	6.	• • •	Explain the concept of virtual ground in OPA	71/2	
1. (a)	Explain the operation and applica	tions of Photodiode.	ή	(b)	Discuss the applications of OPAMP in detail.	71/2	
	40,	5	-		Unit IV		
(b) (c)	Explain the working of Half-we Explain the diode as switch.	ave Rectifier. 5	7.	7. (a)	Discuss the concept of Enhancement and Deple MOSFET.	letion 7½	
2. Explain the I-V characteristics of Zener diode. Distinguish				(b)	Explain the I-V characteristics of Deple	etion	
between Zener Breakdown and Avalanche Breakdown. 15					MOSFET.	71/2	
	Unit II		8	B. Exp	lain the characteristics, operation and application	ns of 15	
3. (a)	Explain the concept of feedbac	k in Amplifiers. 71/2					
(b)	State the conditions under amplifier works as oscillator.	which a feedback					

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