No.	of Pri	nted Pages: 2 BIEL-C	127		
0	CC	LOMA - VIEP - ELECTRONICS AND DMMUNICATION ENGINEERING, ELECTRICAL ENGINEERING, CSE			
02930	Term-End Examination				
02		December, 2010			
BIEL-027 : APPLIED ELECTRONICS  Time : 3 hours					
1.	amp help	w circuit diagram of class-B push pull lifter and explain its working principle with of input and output wave forms. Also list antages of push pull amplifier.	10		
2.	(a)	What is a tuned amplifier? Explain its necessity.	5		
	(b)	Explain difference between the enhancement mode and depletion mode MOSFET.	5		
3.	(a)	A feedback amplifier has a Voltage gain of 1000 without feedback. Determine the Voltage gain with feedback if feedback fraction is 10%.	5		
	(b)	What are advantages of negative feedback in amplifiers? Explain them.	5		

4.	(a)	What is meant by linear and non linear wave	5		
		shaping? Explain with the help of some examples.			
	(b)	Draw circuit diagram of combinational	5		
		clipper circuit and explain its working.	¥ .		
5.	exp	raw circuit diagram of Schmitt trigger and 10 plain its working principle with the help of ysterisis loop.			
6.		h the help of circuit diagram and wave forms ain working of Bistable multivibrator circuit.	10		
7.	(a)	Explain working of transistor as a switch.	5		
	(b)	Explain concept of cross over distortion.	5		
8.	List important steps for Trouble Shooting and				
	Testing of electronic circuit for				
	(a)	Visual testing			
	(b)	Active testing			
9.	(a)	Draw circuit diagram of UJT Relaxation Oscillator and explain its operation.	7		
	(b)	Give the applications of time - base Generators.	3		
10.	Write short notes on $(Any \ two)$ : $5x2=10$				
	(a)	Active testing of phase shift Oscillator			
	(b)	Hartley Oscillator			
	(c)	Clamper circuit			