







2 -	
12 - 1. 607mA=Jo	
In = IE = I 112" = .3C25mA	
N 21 112 [11]	
N=1.667 = [H]	
B) DTL GATE:	
$a) V_{11} = 5 - 3 - 3$	1
=[IV]	
b) In = 41 0 mc 4 1 V2 = 9	
b) IB1 = 4.1 D. OSMA; VB1 = 9	
V(1 = 2 + 2 = HV	Comments of the Comments of th
1-4.6 - 1.15m4	
Til= 2.05+1.15=3.2mA	
C) Vin= 7+ 7-5-2=[7V]	
III = O	
e) 131 = 5-1.4 = 1.95m/ = I"E"	- 257.A
Ves 2 %	
InB2=5-,7 - 1.675ph	1 st +2.41
416	
Ina = 2.875mA	
4)	
VBI=IV - IBI= 4 - 2mH, Ici-BI	LB
2K = 1	6(2mA)
5	20mt
IBAR= 20- (57) = 1893 mA)	
पार "	

