kn. Jardin Zubair 11.11			
1001000 ID: 10 3010031	i al		
Lest 3 digit of ID = 007	350-Labo		
Lint 3 digit of ID = 007	40.1		

-		eus (20	1917 0	71) =	001		1	ére :	
1	OB			(m)	(mv)			, 0,		
	NA	Vo	6	Ver	Ver	Ip,				
	5	5	-	0.16	0.16	2. 2 x103	Je xio	4.4		
	0	5		0	0.31	-4.4 x1012	4.4x165		125	
	5	0		0.31	0	4.4 x165	-4.4x16			
	0	0		0	٥	(-19x1620	1. PXIET	1.38	x1015	
F	END			mv	12 Var	الع الدي				
1	'A	V3		Vei	V22	IQ,	Jan	VR	=7	
-		5	C		0	5x1512	5x1012	5	0.57	
(5		0.	31	0	4.43x155	9.44 xit			
5 0		(5	0.31	9.44218	-4.43 x	16 ⁵ 0.	0.57		
0 (0 0.16		0.16 -2.20x		5 -2.22×122		8.56		
00	T				S. T					
J:	TVP	11	122	VRC	TI	12	IB	Ic	7	
140	4.3	-	70	4.89	0.0028	1	0.00022	0.0022	10.1087	
5	0.69		35	0	4.85 x 11	5 4.35×165	3.19210	1.33 ×12	5	

O If we only apply high voll for both input, we will get high output: Otherwise, with we will not get high output for AND currouit.

1) Yes, The Diodes Di and Oz will work, if VA=VB = 6V and VR= 5V. [from proteus]

Here, Re controls & which ?5 base current.
It is used to limit the base current to on
the diode

D = 1 V = 0 V : 18 = 16 = 18 = 0

Az : 1 ?5 Doverter, Vo = 5 v

From Lab, $V_{BE} = V_{B} - V_{E} = 0.652 \ \langle .0.7 \rangle$ Again, $V_{BC} = V_{B} - V_{C} = 0.652 - 5 \ \langle .0.5 \rangle$

So, it is in entoys.

Jan. Vi=5, Jarro Lab. VB = 0.703 ≈ 0.8 Va = 0.108 ≈ 0.2

"VE=0 : VBE =0.8, VE ≈0.2.

So, Which is Saturation and Vo = 0.1087







