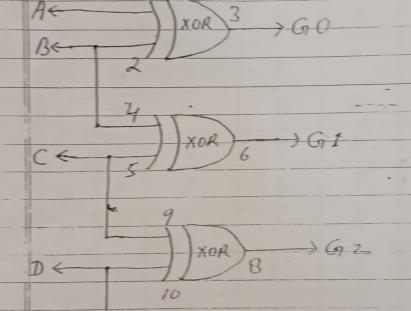
EXP. No.

Computer Organization Cal.

Object! - Implementing Binary to - Gray, Gray to - Binary code conversions.

used - XOR IC - 7486



Binary to Gray code

G3 =	D
G2 =	D(+) C
G1 =	CAB
G0 =	BAA

IC-7486 (XOR)

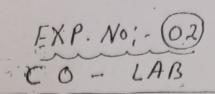
) G3

PinNo; - 07 Ground PinNo; - 14 + 5 Yout

TABLE - EXP. 2

BINARY TO GRAY CODE CONVERTER

A	B	1	G	D	GO	GI	G2	G3
0	0		0	0	0	0	0	0
1	0		0	0	1	0	0	0
0	1		0	0	1	1	0	0
1	1		0	0	0	1	0	0
0	1		1	0	0	1	1	0
1	-	,	1	0	1	1	1	0
0	-	1	1	0	1	0	1	0
1		1	1	0	0	0	1	0
0		0	0	1	0	0	1	1
1		0	0	1	1	0	1	1
0		1		1	1	1	1	1
1		1		1	0	1	1	1
0		0	1	1	0	1	0	1
1		D		1	1	1	0	1
. 0	0 1			1	1	0	0	1
1	1 1			1	0	0	0	1



oliert!	- Implementing Binary - to Gray, Gray to Binary
ogen	- Implementing Binary - to Gray, Gray to Binary code conversions.
,	
	Used: - XOR 7486
- C.O	
GO) 3
-	21
GI	The second secon
	51/6
**	9
G2	8
	10/1
G3)))
1	Gray to Binary Code
	-
	D = G3 - XOR-IC-7486
,	B = C (+) G1 - PN No: -07 Gracumol B = C (+) G1 - PN No: -14 (+5 vott.)
	$A = B(+) G_0$

TABLE.

GRAY TO BANARY CONVERTER

,				
60	GI	G 2	63	ABCD
0	O.	0	0	0 0 0 0
1	0	0	0	1000
0	1	0	0	1100
The state of the s	A CONTRACTOR OF THE PARTY OF TH	0	0	0100
0	.0	1	0	1110
1	0	1	0	0110
0	1	1	0	0010
		1	0	101.0
0	0	0	lander in the state of the	
1	0	0		0111
C) /	0	1	0011
1	1	0	1	1011
	0	1	1	0001
	0	1	1	1001
C) 1	1	1	1101
-	1	(0101
1	•	•		