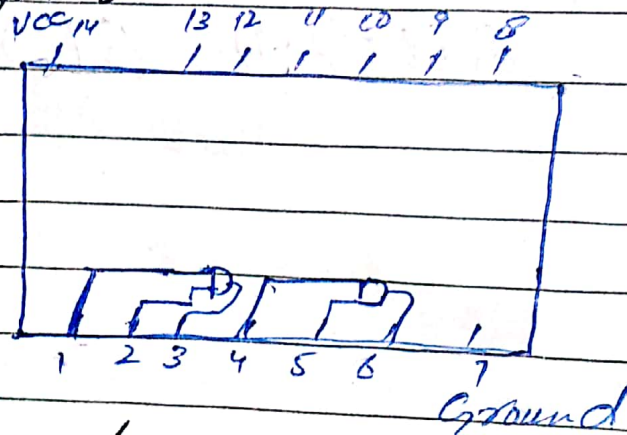


Name Waleed AkramRoll no 20P-0840LAB Manual #3

Objective

In this lab we learn about IC's, their functions and their structure and also performed experiments by using IC's and bread boards.

AND GATE:



IC number

7408

Experiment

first of all take IC and put on bread board

Connect one wire in 14 pin to give 5v current and another in pin 1 and pin 2. Connect these wires to input switch

Take third wire as output in put in 3rd pin and conned to light indicator

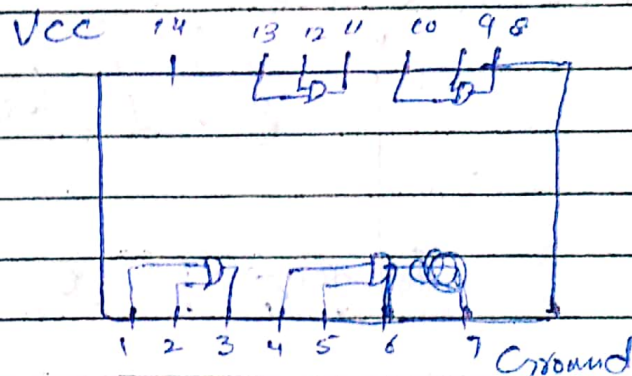
Date: / /

Day: **M T W T F S**

Truth table

A	B	Y
0	0	0
0	1	0
1	0	1
1	1	1

OR Gate



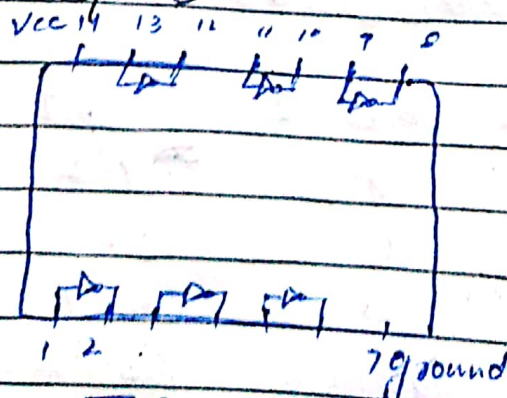
IC = 7432

~~Experiment~~

Truth table

A	B	Y
0	0	0
0	1	1
1	0	0
1	1	1

NOT Gate



IC = 7404

Date: / /

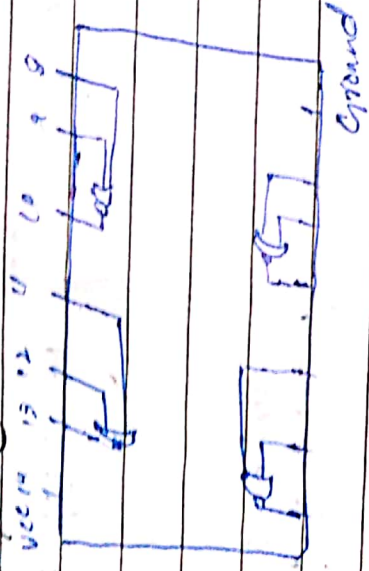
Day: **M T W T F S**

Date: / /

Truth Table

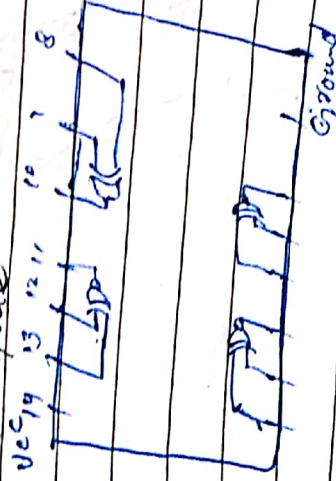
A	B	Y
0	0	0
1	1	0
0	1	1
1	0	1

NOR Gate



IC = 74LS02

XNOR Gate



IC = 74LS266

Truth Table

A	B	Y	Input	Output
0	0	1	0-1	3
0	1	0	5-6	4
1	0	0	8-9	10
1	1	1	13-12	11

Date: 1/1/

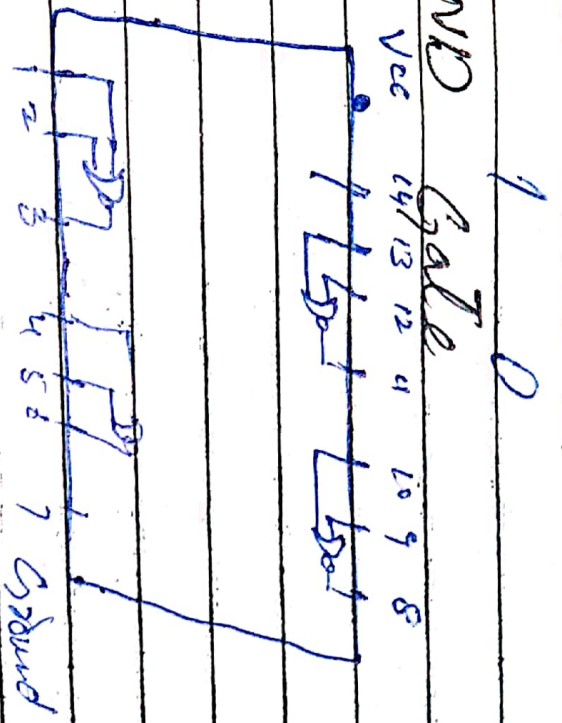
Day: MTWTFS

NOT Gate

Truth Table

A	\bar{A}
0	1
1	0

Wave Gate



Truth Table

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

XOR Gate

