

MON TUES WED THUR FRI SAT

Date: \_\_\_\_\_

Roll: NO

20P-0147

⇒ Shoaib Akhtar  
Babar

BS-CS-2B-2

## ① Objectives

⇒ In previous lab ~~we~~  
I learnt how to use  
bread board. it was  
my best time of  
whole life. ~~It~~ ~~was~~ ~~not~~  
~~that~~ ~~there were gates~~ which  
~~we~~ allowing us to

⇒ The purpose of the bread board  
is to make quick electrical  
connections between components  
like resistors, LEDs, capacitor  
etc, so that so that  
you can test your circuit  
before permanently soldering  
it together.

⇒ And In DLD LAB we  
are trying to communicate  
with hardware and trying  
to learn how it works  
how we can implement  
it in our daily life.



## ⑨ Equipment Used

### ① (Bread Board)

⇒ Bread board are usually divided into four sections two outer sections and two inner sections. Each row of five sockets in the inner section are electrically connected to each other.

## (Design And Test Procedure)

⇒ A breadboard is a rectangular plastic board with a bunch of tiny holes in it. These holes let you easily insert electronic components to prototype (meaning to build and test an early version of) an electronic circuit. ~~It is a type of prototyping board.~~



# (Results)

⇒ { In And gate } But the question is arising how can we recognize gates.

⇒ We have to remember IC No in each gate  
these are IC NO

⇒ ok we performed a experiment on And gate on Bread Board we were giving input in 1 and 2 and getting output from 3 and we were connecting pin 7 with GND and ~~giving~~ ~~input~~ ~~in~~ ~~pin~~ ~~and~~ ~~to~~ ~~getting~~ ~~output~~ and connecting 14 with VCC and when we were giving Low(0) and Low(0) from both outputs it was giving Low(0) which was ~~was~~ green color.

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Amel

0

0

0 → green

0

1

0 → green

1

0

0 → green

1

1

1 - ~~Red~~ Red.