



## Government Girls' Polytechnic, Bilaspur

Name of the Lab: Digital Electronics Lab

Practical: Digital Electronics Lab

Class :3<sup>rd</sup> Semester (ET&T), 3<sup>rd</sup> Semester (CS)  
FOR ET&T

Teachers Assessment: 10 End Semester Examination: 50

FOR CS

Teachers Assessment: 20 End Semester Examination: 50

### EXPERIMENT No- 1

**OBJECTIVE:** - Verify Truth Table of Logic Gates (AND, OR, NOT, NAND & NOR Gates).

**EQUIPMENT REQUIRED:** - All the basic gate mention in the fig.

**THEORY:** - There are different gates available in digital electronic filed. Which is used to perform the different tasks they are as follow:-

**AND GATE:** - This gate is used for the multiplication of two binary digits.

**OR GATE:** - This gate is used for the addition of two binary digits.

**NOT GATE:** - This gate gives the compliment of given binary digit.

**NAND GATE:** - This gate is used for giving compliment of multiplication of two binary digits.

**NOR GATE:** - This gate is used for giving compliment of the addition of two binary digits

### DAIGRAMS:-

*2-input AND gate*



A	B	Output
0	0	0
0	1	0
1	0	0
1	1	1

*2-input OR gate*



A	B	Output
0	0	0
0	1	1
1	0	1
1	1	1

*1-input NOT gate*

*2-input NAND gate*

# Polytechnic Electronics Lab Manual

**J Spring**



## **Polytechnic Electronics Lab Manual:**

## **Polytechnic Electronics Lab Manual** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the energy of words has become more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Polytechnic Electronics Lab Manual**, a literary masterpiece that delves deep into the significance of words and their impact on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall impact on readers.

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web aug 17 2022 green mamba scientific name the scientific name for this snake is *dendroaspis angusticeps* it is a highly venomous snake found in africa adults can grow to be over six feet long and they are typically a bright green color with narrow yellow or white bands running along their bodies

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web in mamba the three green mamba species are smaller 1 5 2 metres maximum 2 7 metres and are usually found in trees the east african green mamba d angusticeps of east and south africa jameson s mamba d jamesoni of central africa and the west african green mamba d viridis are all read more

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