



NURTURE INTERNATIONAL SCHOOL

Revision Sheet

Name _____ Date :- 23.07.2019 Class: Inspiring C Subject: Computer(Tier 2)

Q1. Fill in the blanks:

- NAND and NOR gates are also referred to as _____ gates.
- _____ gate is also called as Exclusive OR gate.
- NOT gate is also known as _____.
- The basic operations of all the gates are described with the help of _____.
- The three basic gates _____, _____, _____.
- The _____ expression is a mathematical expression that results in a Boolean Value.
- We always write the name of a logic gate in a _____ case.

Q2. Answer the following Question:

- What is a truth table?
- Why NOR and NAND gates are called Universal gates?
- What is logic gate?
- What is logical circuits?

Q3. Complete the following truth table:

INPUT		OUTPUT
X	Y	$X \cdot Y$

INPUT		OUTPUT
X	Y	$\overline{X+Y}$

INPUT		OUTPUT
X	Y	$X \oplus Y$

Q4. Draw the logical Circuit and Write the Boolean Expression:

- $F = (AB + BC + BA)$
- $F = XY + YZ + ZX$
- $(X + Y) \cdot (Y + Z) \cdot (Z + X)$

Q5. Evaluate the following Circuits:

