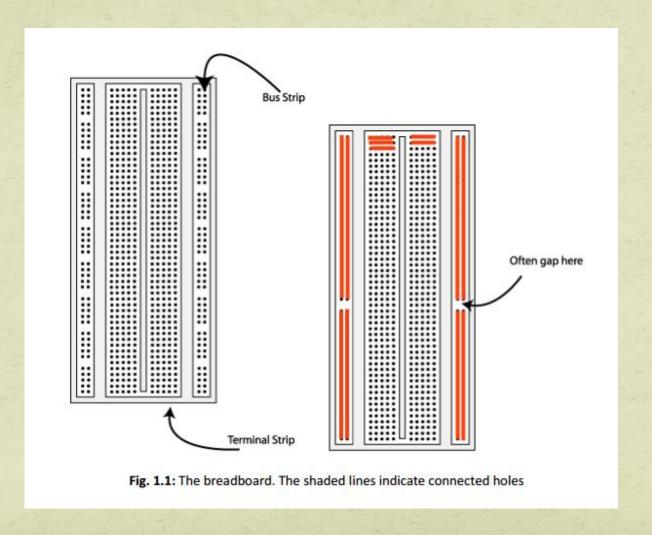
LAB 1. LOGIC GATES

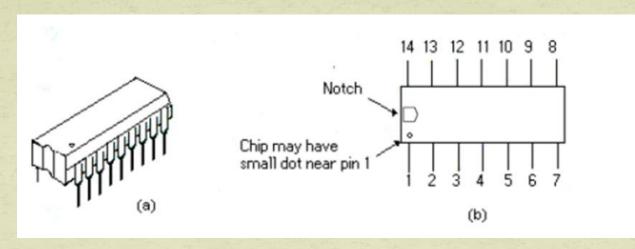
Objective

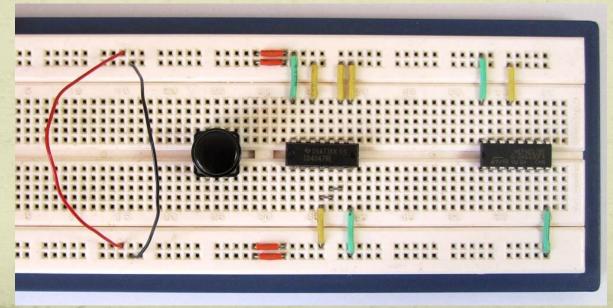
- To get acquainted with different standard integrated circuits.
- To study the basic logic gates: AND, OR, INVERT, NAND, NOR, and XOR.
- To understand formulation of Boolean function and truth table for logic circuits
- Design a sample function on bread board.

The Breadboard



(a) Dual-In-Line Package (b) Top view showing Pin numbers





Example Implementation of a Logic Circuit

Build a circuit to implement the Boolean function $F = \overline{A} \ \overline{B}$ using 74LS08 (AND gate) and 7404 (INVERTER)

