Viva Questions

Q1. Explain what is a half-adder?
A logic circuit, that can add two 1-bit numbers and produce outputs for sum and carry, is called a half-adder.

Q2. Explain what is a full-adder?
A binary adder, which can add two 1-bit binary numbers along with a carry bit and produces outputs for sum and carry is called a full-adder.

Q3. Explain what is an excitation table?

Excitation table gives an information about Explain what should be the flip-flop inputs if the outputs are specified before and after the clock pulses.

Q4. Explain what is a state table?

State table consists of complete information about present state, next state, and outputs of a sequential circuit.

Q5. Explain what is Boolean Algebra?

Boolean algebra is a mathematic system of logic in which truth functions are expresses as symbols and then these symbols are manipulated to arrive at conclusion.