

5 Lecture - CS302

Important Mcqs

- 1. Which logic gate has only one input and one output?**
A) NOT gate
B) AND gate
C) OR gate
D) XOR gate
Answer: A) NOT gate
- 2. Which of the following is the symbol for an AND gate?**
A)
B)
C)
D)
Answer: B)
- 3. Which of the following logic gates is equivalent to an inverted OR gate?**
A) NAND gate
B) NOR gate
C) XOR gate
D) XNOR gate
Answer: B) NOR gate
- 4. Which of the following logic gates has an output that is high only if both inputs are high?**
A) OR gate
B) AND gate
C) NOT gate
D) XOR gate
Answer: B) AND gate
- 5. What is the output of an OR gate if both inputs are low?**
A) High
B) Low
C) Indeterminate
D) Cannot be determined
Answer: B) Low
- 6. Which logic gate has an output that is low only if both inputs are high?**
A) OR gate
B) AND gate
C) NOT gate
D) XOR gate
Answer: A) OR gate

7. Which of the following logic gates has an output that is high only if one of the inputs is high?
A) OR gate
B) AND gate
C) NOT gate
D) XOR gate
Answer: A) OR gate
8. What is the output of an XOR gate if both inputs are high?
A) High
B) Low
C) Indeterminate
D) Cannot be determined
Answer: B) Low
9. Which of the following is the symbol for a NAND gate?
A)
B)
C)
D)
Answer: D)
10. Which of the following is the symbol for an XNOR gate?
A)
B)
C)
D)
Answer: C)

I hope these help!