

# 2 Lecture - CS302

## Important Mcqs

1. Which number system uses base 2?

- A) Decimal
- B) Binary
- C) Octal
- D) Hexadecimal

Answer: B

2. How many digits are there in binary system?

- A) 8
- B) 10
- C) 2
- D) 16

Answer: C

3. What is the base of the octal number system?

- A) 2
- B) 8
- C) 10
- D) 16

Answer: B

4. Which number system uses the digits 0-9 and letters A-F?

- A) Decimal
- B) Binary
- C) Octal
- D) Hexadecimal

Answer: D

5. What is the value of the binary number 1101 in decimal form?

- A) 5
- B) 7
- C) 9
- D) 13

Answer: D

6. What is the value of the octal number 73 in decimal form?

- A) 47
- B) 57
- C) 63
- D) 83

Answer: B

7. What is the value of the hexadecimal number AC in decimal form?

- A) 170

- B) 172
- C) 174
- D) 176

Answer: B

8. **Which number system is used to represent colors in HTML?**

- A) Decimal
- B) Binary
- C) Octal
- D) Hexadecimal

Answer: D

9. **What is the process of converting a decimal number to a binary number?**

- A) Repeatedly dividing the decimal number by 10
- B) Repeatedly dividing the decimal number by 2
- C) Repeatedly dividing the decimal number by 8
- D) Repeatedly dividing the decimal number by 16

Answer: B

10. **What is the process of converting a binary number to a decimal number?**

- A) Multiplying each digit of the binary number by 2 and summing the products
- B) Multiplying each digit of the binary number by 8 and summing the products
- C) Multiplying each digit of the binary number by 10 and summing the products
- D) Multiplying each digit of the binary number by 16 and summing the products

Answer: A