

4 Lecture - CS302

Important Mcqs

1. Which number system is commonly used in digital electronics?

- a) Decimal
- b) Binary
- c) Octal
- d) Hexadecimal

Answer: b) Binary

2. What is the base of the hexadecimal number system?

- a) 2
- b) 8
- c) 10
- d) 16

Answer: d) 16

3. What is the decimal equivalent of the binary number 101101?

- a) 41
- b) 45
- c) 53
- d) 59

Answer: d) 59

4. Which of the following is a BCD code for the decimal number 3?

- a) 0010
- b) 0100
- c) 0011
- d) 0101

Answer: b) 0100

5. What is the excess-3 code for the decimal number 5?

- a) 1000
- b) 1010
- c) 1100
- d) 1110

Answer: d) 1110

6. Which of the following is the most compact representation of the number 255 in binary?

- a) 11111111
- b) 11111110
- c) 11111101
- d) 11111100

Answer: a) 11111111

7. Which code is used to represent alphanumeric characters in a computer?

- a) ASCII

- b) BCD
- c) Gray
- d) Excess-3

Answer: a) ASCII

8. What is the octal equivalent of the binary number 101010?

- a) 22
- b) 42
- c) 52
- d) 62

Answer: b) 42

9. Which of the following is a Gray code for the binary number 1001?

- a) 1100
- b) 1110
- c) 1111
- d) 1011

Answer: d) 1011

10. What is the decimal equivalent of the octal number 77?

- a) 56
- b) 63
- c) 70
- d) 73

Answer: b) 63