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

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