

33 Lecture - CS501

Important Mcqs

1. Which of the following is a technique used for error detection?

- A) Hamming codes
- B) Huffman codes
- C) Lempel-Ziv coding
- D) None of the above

Answer: A) Hamming codes

Which of the following is a technique used for error correction?

- A) Checksums
- B) CRC
- C) Reed-Solomon codes
- D) Both A and B

Answer: C) Reed-Solomon codes

Which of the following is not a type of error control technique?

- A) Data encryption
- B) Error detection codes
- C) Error correction codes
- D) None of the above

Answer: A) Data encryption

Which of the following is a commonly used error detection code?

- A) CRC
- B) RSA
- C) AES
- D) SHA

Answer: A) CRC

Which of the following is a commonly used error correction code?

- A) Parity bits
- B) Vigenere cipher
- C) RSA
- D) None of the above

Answer: A) Parity bits

Which error control technique is based on adding extra bits to a message to detect errors?

- A) Checksums
- B) Hamming codes
- C) Reed-Solomon codes
- D) None of the above

Answer: A) Checksums

Which error control technique is based on adding redundant bits to a message to correct

errors?

- A) Parity bits
- B) CRC
- C) Hamming codes
- D) None of the above

Answer: C) Hamming codes

Which error control technique is commonly used in wireless communication systems?

- A) Reed-Solomon codes
- B) Parity bits
- C) Checksums
- D) None of the above

Answer: A) Reed-Solomon codes

Which of the following is a disadvantage of error control techniques?

- A) Increased complexity
- B) Reduced data throughput
- C) Increased delay
- D) All of the above

Answer: D) All of the above

Which error control technique is most commonly used for error detection in computer networking?

- A) Parity bits
- B) CRC
- C) Hamming codes
- D) Reed-Solomon codes

Answer: B) CRC