

35 Lecture - CS302

Important Mcqs

1. **What is one of the most common applications of shift registers in digital electronics?**

- A. Binary arithmetic
- B. Analog signal processing
- C. Power regulation
- D. Data storage

Answer: D

Shift registers can be used to convert a _____ data stream into a parallel data stream.

- A. Parallel
- B. Analog
- C. Digital
- D. Serial

Answer: D

Shift registers can be used as _____ in digital circuits, such as in digital signal processing applications.

- A. Storage devices
- B. Delay lines
- C. Multiplexers
- D. Flip-flops

Answer: B

How can shift registers be used in data encryption algorithms?

- A. To encode and decode data in a secure manner
- B. To compress data
- C. To amplify data signals
- D. To filter data signals

Answer: A

Which of the following is NOT an application of shift registers?

- A. Power regulation
- B. Digital signal processing
- C. Data compression
- D. Delay lines

Answer: A

Multiple shift registers can be used to perform binary _____, such as addition, subtraction, and multiplication.

- A. Division
- B. Arithmetic
- C. Compression
- D. Encryption

Answer: B

What is one application of shift registers in audio processing?

- B. Analog signal processing
- C. Delaying audio signals
- D. Power regulation

Answer: C

Shift registers can be used in data compression algorithms to encode data in a more _____ format.

- A. Efficient
- B. Secure
- C. Analog
- D. Delayed

Answer: A

What is one application of shift registers in digital signal processing?

- A. Power regulation
- B. Analog signal processing
- C. Data compression
- D. Filtering

Answer: D

Which type of shift register has both parallel input and output?

- A. Serial-in, serial-out
- B. Parallel-in, parallel-out
- C. Serial-in, parallel-out
- D. None of the above

Answer: B