

# 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**