

3 Lecture - CS501

Important Mcqs

1. **What does SRC Processor specialize in?**

- a) Image processing
- b) Sample rate conversion
- c) Audio compression
- d) Video encoding

Answer: b) Sample rate conversion

What is the primary use of SRC Processor?

- a) Data encryption
- b) Image rendering
- c) Audio signal processing
- d) Video decoding

Answer: c) Audio signal processing

Which industry commonly uses SRC Processor?

- a) Automotive
- b) Construction
- c) Banking
- d) Audio/Video

Answer: d) Audio/Video

What kind of algorithms does SRC Processor use?

- a) Simple algorithms
- b) Complex algorithms
- c) Linear algorithms
- d) Non-linear algorithms

Answer: b) Complex algorithms

What is the purpose of sample rate conversion?

- a) To compress data
- b) To decompress data
- c) To convert data between different sample rates
- d) To convert data between different formats

Answer: c) To convert data between different sample rates

What is the advantage of SRC Processor in sample rate conversion?

- a) High distortion
- b) Low distortion
- c) High noise
- d) Low noise

Answer: b) Low distortion

Which type of devices use SRC Processor?

- a) Smartphones

- b) Laptops
- c) Audio interfaces
- d) All of the above

Answer: d) All of the above

How does SRC Processor achieve high-quality sample rate conversion?

- a) Using simple algorithms
- b) Using complex algorithms
- c) By adding noise to the signal
- d) By reducing the quality of the signal

Answer: b) Using complex algorithms

What is the benefit of SRC Processor's efficiency?

- a) Lower cost
- b) Higher cost
- c) Lower quality
- d) Higher quality

Answer: a) Lower cost

What does SRC stand for in SRC Processor?

- a) Sample Rate Converter
- b) System Resource Control
- c) Signal Reduction Circuit
- d) System Reference Clock

Answer: a) Sample Rate Converter