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