	Lab Assignment - 2 Aim: To analyze and test pulse code modulation Demonstrator Technique. Objectives: 1. To demonstrate in Pulse Code Modulation technique. 2. To analyze PCM performance with respect to sampling Theory: Pulse code modulation is a method that is used to convert in analog signal into digital signal so that
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	modified analog signal can transmit through digital
	communication network
	sampling is a process of measuring amplitude of a
	continous - time signal of discrete instants, converts the
	continous aligital signal into discrete signal.
	Buartization: Hex an analog simple with amplitude that
-	converted into digital sample with an amplitude that
	converted into digital sample with an amplitude that takes one of specified defined set of quantization
	values.
	Pulse code demodulation will be doing same
	modulation.
	D. M. a. Jahra Jan
	PCM advantages.
-)	Analog signal can be transmitted over high speed digital common system.



II Remitting get 11 Technology recommended Americans and A
- PCM signal is more resistant to interfere than normal signal.
Ansi) In PCM analog signal is sampled and converted to fixed length binary to no for transmission. The binary no varies according to amplitude of analog signal.
Ans 2) Nyquest sampling rate states that, min sampling rate is to twice audio input frequency.
Ans 3] 1) Pute with modulation 2) Pulse position modulation 3) Pulse amp. modulation 4) Pulse duration.
Ans 4) Low pass filter
Ans 5) A transmitter section of PCM circuit has sampling guartizing and encoding which are performed in analog to digital conversion.
In reciever section, in paired signals are requestion decoded and reconstructed.
- Low pass filter - sampler - suanfizer www.mitwpu.edu.in



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- encoder - Regenerative repeater - de voder - reconstruction filter		a and a C
- Regenerance repears - de coder - reconstruction filter	-	Proposed in secondary
- Reconstruction filter		regenerative repeater
- le construction in Her		décoder
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