- 1) Write the features of IC555
- The source and sink current of the output about sooms.

 Trigger voltage is 1.6 when operating at +5v.
- 3) In this experiment, what function is cornied out by 10555?
- analog to digital conversion.
- 3) What is an updown counter?
- For counting in either direction through any given count sequence and it can be reversed at any point within their count count sequence by woring an additional antrol input
- u) kihat is bac? What DAC is used in this experiment.
 - It can be convert the digital information to analog information In this experiencent, we use DA 0808.

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1) Write the monits and demonits of deltamadulation.

An Merity! Since, the delta modulation transmitts only one bit for one sample, therefore the signalling rate and transmission channel bordwidth is quite small for delta modulation compared to part.

Dements:

to

Slope overload distortion Granular (00) idle noise

o) Where delta modulation is employed?

to It is modulating mainly used in the transmission of voice information

3) What are the noises that generated due to delta modulation

An Quantizing rouse in delta modulation system falls into two categories granular and slope over load noise. Anomular exists because the decoded output signal can assume only a specified number of levels in the range of interest

i) The signal to quantization noise ratio is 153-6. Express in dB

= 100.687dB

5) What are the problems are mitigated in adaptive delta modulation

In som quantitation noise is present the other types of errors are mainly avoided.

8. Della	modulation an	od periodulation
	-Amp	time period
Modulated Signal	3V	9ms
clock	5V	suce
DM OF	5V	100,03
Delta	3-84	3 µ3
demodulofod	1.88	3ms