30-08-93		Ta: Delta	4
* Discrete - fin	ne Energy Signal -	73 43 1 13 14 A	3
	7 1 1 2 7 2		
	$E = \sum_{n=-\infty}^{\infty}  \chi(n) ^{2}$	Milds up a series	
	<u> </u>		
* Oc. c> le le	Paragra Sonnal -	8.2	
The Discrete - all	ne Power signal -		100
	P= lim 1 ∑ 1 N→∞ 2N+1 n=-N	u[n]\	
	N→∞ 2N+1 n=-N		C
	5 1 1 1 1 1 1 1 1	ent to the	•
* Real Expone	ntrel signale -	1 2 - 96	
× = 1			-
	$\chi(4) = ce^{a+}$		6
where	$c$ , $a \rightarrow real p$	anometers	
	1 1	1	
(Usaby >	N(4)		-64
			- A
	ja >0	→ (Frow	-
	C	→ Grow Exponential Signal	-
		Signal	
	0 +		
	NC4)	DOA TETRAL	1
	NGA MATERIAL TO THE PROPERTY OF THE PROPERTY O		
A TOTAL CONTRACTOR	[a<0]	1	
		-> Decay	
	•	Expanential	
The state of the s		→ Decay Exponential Signal	
			-
	•		
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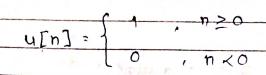
*	Discrete - time Real Exponential Bignal -
	where c, & -> real parameters
	$o_{x}$ , $\kappa[n] = c_{x}$ $e^{x}$ $where, x = e^{x}$
	(181>1)
	c → 6,000 E
	M(h)
\	18/21 -> Decay ES
3.1	

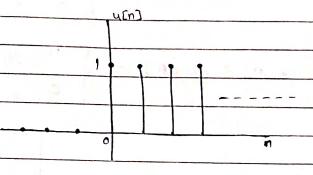


$$\Rightarrow n(t+T) = e^{i\omega_0(t+T)}$$

$$= e^{i\omega_0t} e^{i\omega_0T}$$





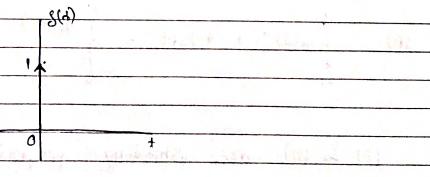


\* Unit Impulse -

Dirac - Delta Function -

$$S(+) = 0 \quad \text{for} \quad + \neq 0$$

$$= \int_{-\infty}^{\infty} S(+) d+ = 1$$

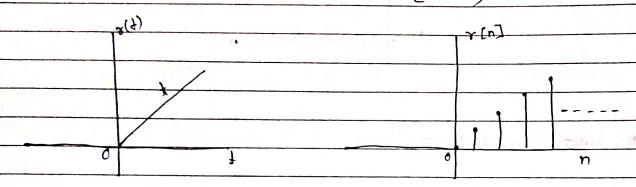






$$8(+) = + n(+) = \begin{cases} 0 & 1 < 0 \\ 1 & 1 \leq 0 \end{cases}$$

$$\gamma[n] = n \cup [n] - = \begin{cases} n, & n \ge 0 \\ 0, & n < 0 \end{cases}$$



(Fi) 
$$\int_{a}^{b} \chi(4) \, \mathcal{L}(4-4) \, d4 = \begin{cases} \chi(4,0), & 1 < +_0 < +_2 \\ 0, & \text{otherwise} \end{cases}$$

$$S(a+) = 1 S(+)$$

at 
$$a=-1$$
,  $S(-t)=S(t) \rightarrow even signal$ 

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