Ahmed Husain Babar Assignment #101 Dite:\_\_\_\_\_ 1 Day: - Question HOI h(n-k) for n 20 y(n) = 0 (no comor asta) for nyo X(E) (h)(h-K) USEO

(11) y(n) = \$ (0.0)(0.2)^+() y(n) = 50; n20 [0.27 37+1; n20 Outon HOZ (a) y(n) = x (n)2  $\frac{y_{s(n)} = \lambda_{3}(n)^{2}}{-\lambda_{3}(n)^{2}} + \frac{\lambda_{3}(n)^{2}}{-\lambda_{3}(n)^{2}} + \frac{\lambda_{3}(n)^{2}}{-\lambda_$ 

Day:	D::te:	(4)
(b)	y(n) (- 'x (4n+1))	65
1 ( C	y(n) - n (4n+1) ; y(n) = Me(4n+1	
	13(h) = d N,(n) + B N2(n)	Y K
	Yz(n) = nz (un+1) + an, (un+1) + Bn. (an	-1)
	y(n) = xy,(n) + B y(n)	
1 1 1 1 1 1	= x M, (hn+1) + B Kz (4n+1)	
L. V.	- linear	1
	y(n-no) =n(y(n-no)+)	( )
	42n, no) - x(4n-hot)	
1	y(n-n) = y(n,n)	
L. Cher	- Moz time invadiant	
	ROLONGER BOLDER	
(C)	y(n) = n(n) r_	
	K(nt1)	<del></del>
	y(n=n,(n) + 1; y2(n)=n2(n)+1	<del></del>
	Mxn1= XX1(n) + BX2(n)	
	$y_3(n) = n_3(n) + 1 = x_1(n) + x_2(n) + x_3(n+1)$	
	\(\frac{1}{2}\)	)+ 8 x2(n+1)
	$y_3(n) = x y_1(n) + B y_2(n)$	
	= X1, (n) + 1 + B (261m) + 1 =) Non lines n(n+1) 2626	415
3	是是在我们的一个时间,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	
	y(n-no) = n(n-no) + 1 y(n-no) = y(n-no) + 1 fine inv	
	y Ch, no) = y (n-no) + 1 (time inv	riga
emples entitled the second	VI(1-101)	

Day:_	Date:	
The second secon	y= x(n+)=) y,(n)= N,(n2); y,(n)= N,Cr	
y Cr	Let M3(n) = (n) + B M (n) =) 43(n) = N3 = aM1(n) + B M2(n) =)	Piolax
	$y_3(n) = \alpha y_1(n) + B y_2(n) = \alpha y_1(n^2) + B$	M. In')
	y(n-no) = n,[(n-no)] = =) Jime Ya y(n,no) - x, (n2-no)	spirit
(e)	$y(n) = x(h) + nx(n+1) = y_1(n) = x_1(n) + nx$	(, (n+1)
	$\frac{d_3(m) - d_{1}(n) + B_{1}(n)}{d_3(n) = d_3(n) + m n_3(n) = d_3(n) + B_{1}(n)$	(n)
	$+ \eta (n+1) + 3 \times 2$ $(y_3'(n) = xy_1 + 3y_2 = \lambda (n) + n \times (n+1)$	p+1)]
	$\frac{y_2(n) - y_2'(n)}{y_3(n)} \rightarrow \lim_{n \to \infty} \frac{y_2(n) - y_3(n)}{y_3(n)}$	
	y(n, no) = y(n-ho) +(n-no) x(n-hot	
	not equal of time varia	
d	restor#03	al
	Time Domain: Reprosents how sign Vasies with respect to time	
,	Frequency Donain Represent Signa Frequency Donain Represent Signa Or Howit va	Vie .
	Frequency Donoin Sepsenti Howit va function of frequency (Howit va with different frequencies	
1000		VARIOUS MANAGEMENT

War and	
	Jime Damain
	pros: Botter visualization
	useful for transient analysis
	re cam butation
	Differit to analyze frequency components
	Frequency Domain
	Pros. Less compretation
	Pros: Less compression et habmorks  easily visualization of habmorks
	1 10
	con : Loses tome specification : Not better for Viscolization
-	
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4	
4	
N. C.	