

	Date Page
SINJOH	INTERDUCION TO COMMUNICATION ENGINEERING - SYSYLA
	HOMEWORK -1 20 DUE: 06/09/23
1)	Raised Cosine Pulse
0 (7, =	We know. Roll off Jartis (B) = 0.3 -> 1SI fine Tx BW = 1000 Hz
- No 126.	= Sinc (de) e du + 1 Sinc (de H) e
1 1/K	Symbol rate = $2 \cdot BW = $ Symbol = $2 \cdot 1000$ $1+\beta$ grate = $1+0.3$
Jb P	=> [Symbol Rate = 1.538, 461]
2)	We know: 12 g(t) = sinc (t) cos (txtf)
	Ascume: X =
	$g(t) = Sinc (t) cos(\pi t/t)$ $f(t) sharefulle 1 \(1 \) \(1 $
(MEH)	We can consider to as to X
Þo'.	$\Rightarrow g(t) = Sine(2) (\cos t2) = Sin x \cdot \cos t2$
30.4	Nav stam
	on justher expansion, we get
	get = Sine 2x + 1 Sinc(2x+1) + 1 Sin ex-1
1	

