Lecture -	- n
Thursday, 10 February 2022	8:13 AM
* respons	se of some systems to unit impulse signal
* Linear	systems: H is a linear System
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	Then, $d \pi_1(t) + \beta \pi_2(t) \xrightarrow{H} d y_1(t) + \beta y_2(t)$
* Time	invariant systems:
	delay operator: $\pi(t) \longrightarrow D_{\Delta} \longrightarrow \pi(t-\Delta)$
	H is a time invariant system if:
(a)	$\chi(t) \longrightarrow D_{\Delta} \longrightarrow H \longrightarrow Y_1(t)$
Ъ	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
@ & b	are the same systems (i.e. $y_{r}(t) = y_{r}(t)$)
Ex. (i)	$y(t) = x(t-1)$ i.e. $x(t) \xrightarrow{H} x(t-1)$
(t) H	





