	PAGE No. DATE	
2.	Given	
	9, = f, + h2 * ,f2	
	$g_2 = h_1 * f_1 + f_2$	917
	Taking fourier toansform,	. 11
	$F(g_1) = F(f_1) + F(h_2 * f_2)$	
	$= F(f_1) + F(h_2) \times F(f_2)$	
	=) G1, = F, + Hz x Fz	
	Similarly,	
	$G_2 = F_1 \times F_1 + F_2$	
	Solving linear equ gives,	
	$F_1 = \frac{1}{G_1} \cdot \frac{1}{H_2 \times G_1} \times \frac{1}{G_1}$	
	1- H ₁ H ₂	
	$F_2 = G_2 - H_1 \times G_1$	
	1-H, H2	

	DATE DATE
	Se-11
	$f_1 = ifft(F_1) = ifft(G_1, -H_2) \times G_{12}$
	M 11 - 12
	$\frac{1}{1+\frac{1}{2}} = \frac{1}{1+\frac{1}{2}} + \frac{1}{1+1$
	100 million arm involved to a
	Inherent problem:-
	If H, *Hz = 1, then denominator
	of F, and Fz becomes 0 and
	f, and fz becomes undefined.
7.0	
	for some frequency u,v
*	then
1	F, (u,v) and F ₂ (u,v) becomes
	undefined.
	· fortillare from their second of the second
	Noise 3
	If there is noise in 9 and 9.
	then
	9, = + hz * fz + n,
	92 = \$h, * f, + fz + bz
	7
	In tourier domain,
	$\frac{G_1}{G_1} = \frac{1}{F_1} + \frac{H_2 \times F_2}{H_2 \times F_2} + \frac{H_2 \times F_2}{H_2 \times F_2}$
	572 - H2xF2 + F2 + N2

