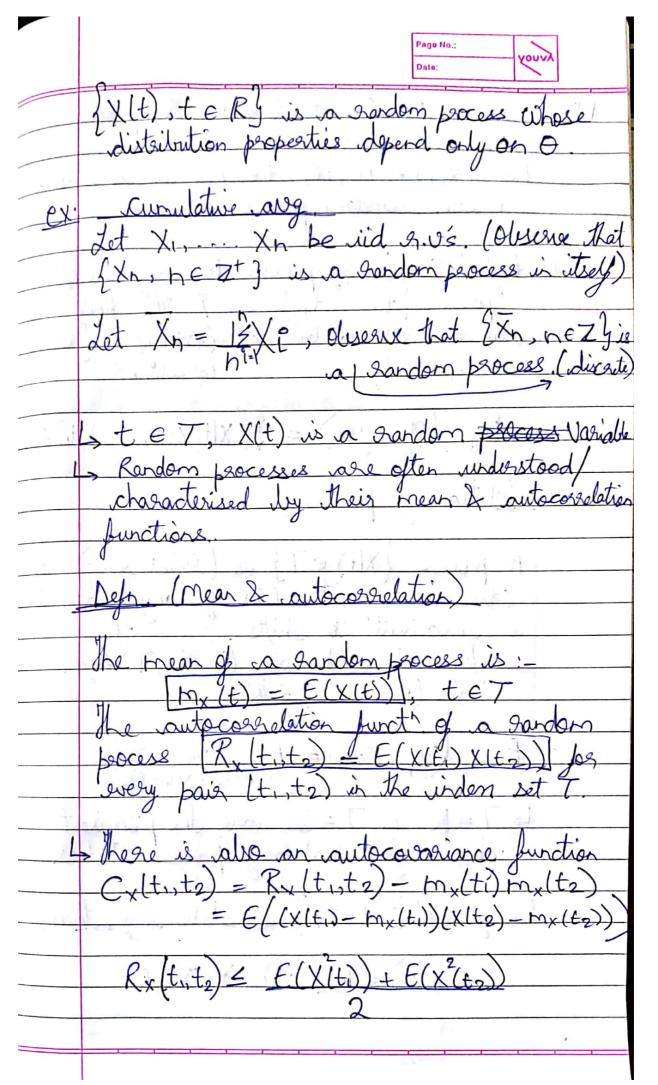
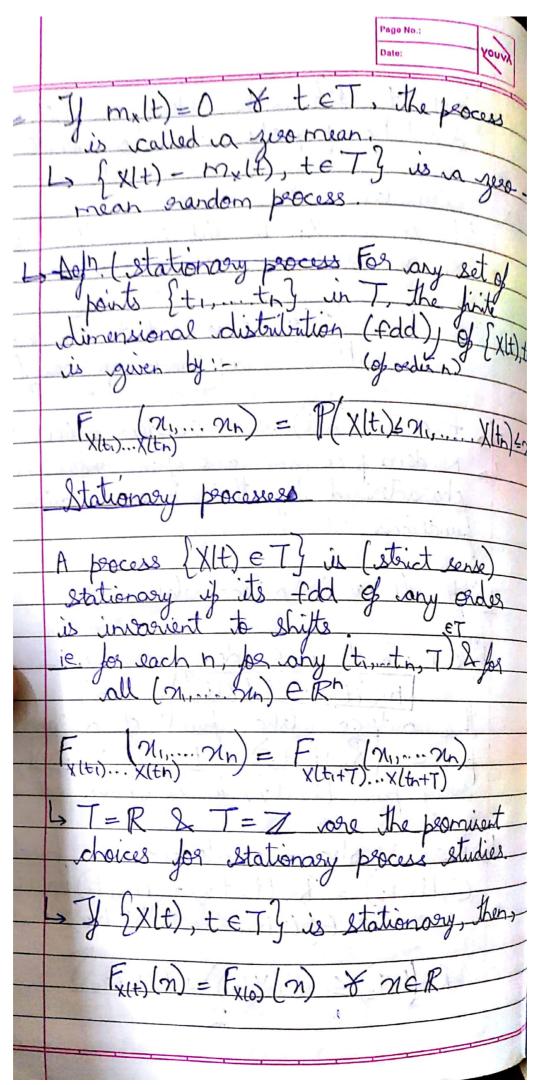
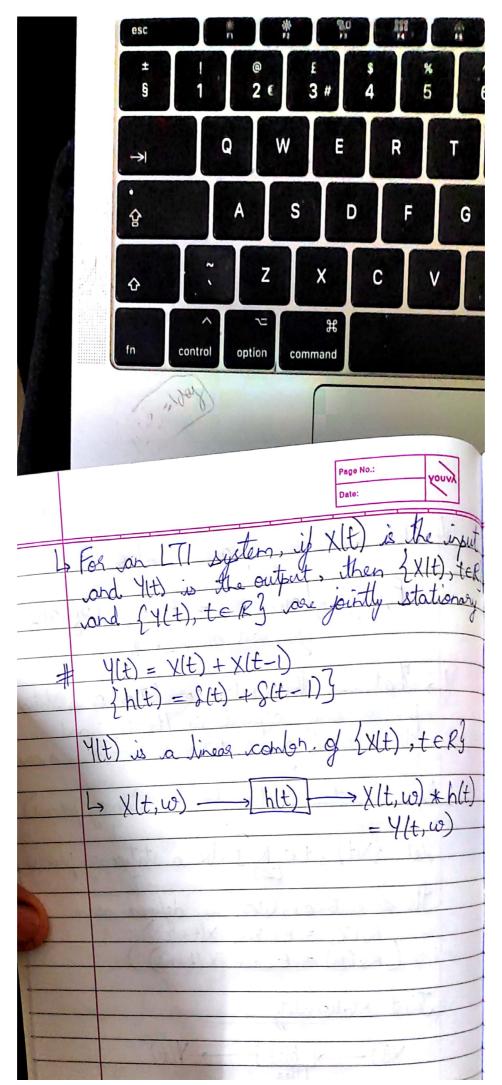


Scanned by CamScanner





	Page No.: Date:
> For stationary process,	olo,
Fx1t), X(t2) (n, n2) = F.	x(0), x(t2-t) (M1, M2)
	: 1 to 10
hat is the rauto-core	lta-ti) and
process only depends on the mean of va stations	ary process is a consti
Jefo Contocorrelation for a	stationary process
Let (XIt), te R? We co	a stationary process.
Its auto-correlation is a Rx(T) = E(X(t).X(t+	defined as:-
$\frac{R_{X}(C) = E(X(k).X(k+1))}{R_{X}[n] = E(X(k).X(k+1))}$	+n)))
Joint Stationality	
X(t) -> h(t) ->	Y(t)
· X(t) is stationary · h(t) is on L71 fitter	
Then (4lt), tergis state (Xlt), terg & 24(t), t	ionary. Also, Ry are jointly
stationary ie for each	
$y_n \in \mathbb{R}^{2n}$	
Fx(t), x(tn), Y(t) - Y(tn) = F	(n1, >h, 31, In)



Scanned by CamScanner