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							UN	IT-I						
Q.1	a.	Discuss Probability of Error Criterion.												8M
	D.	simple binary decision problem.												4M
		1		5	1		ο	R						
Q.2	a.	Write	a note	on Te	st of ]	Mean.								10M
	b.	Describe Maximum Likelihood Decision Criterion.												2M
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Q.3	<b>L</b> .3 Explain the waveform observation in Additive Guassian Noise.											I ZIVI		
Q.4		With r	neat di	agram	. disci	uss In	tegrati	ng Or	otimun	n Rece	eiver.			12M
_					,		UNI	T-III						
Q.5		Explain the estimation of signal in presence of Guassian Noise with linear Observations.												12M
							0	R						
Q.6	а.	Define Bayes estimation criterion.												
	D.													10M
Q.7	а	Discuss the applications of Kalman Filter												6M
	b.	Discuss briefly about Cramer-Rao lower bound with scalar parameters.												6M
							0	R						
Q.8	a.	What is Prediction filtering?												2M
	D.	Illustrate the Kalman filter with suitable diagram and summarize how it can be used for State estimation												
							UNI	T-V						
Q.9	a.	Define Sufficient statistics												
	b.	Compare Guassian, Bernoulli and Poisson Distributions.												10M
O 10	2	What	is TIM	VIIE9	Eval	ain ita	U	<b>K</b> Ficance	a in an	timati	on theo	)rV		1014
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