RSA

QP Code: 11991

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5.	(a)	What is Random process? State and Explain first and second order statics of Random	10
	(b)	process. Explain power spectral density. Find the power spectral density of a WSS process	10
		with auto correlation function $R(\tau) = e^{-\alpha \tau^2}$	
			10
6.	(a)	State and prove the chapman-Kolmogorov equation.	10
	(b)	Write short notes on following special distributions. (i) Poisson distribution (ii) Gaussian distribution	
		(iii) Uniform distribution.	44
		Find the characteristic function of poison distribution and hence find the values of	10
7.	(a)	first four Central Moments.	5
	(b)	Describe the sequence of Random variables.	5
	(c)	State and Explain Chebyshev Inequality.	