

MAT 2256-In semester examination Portion

	Probability distributions: Binomial distribution, mean and variance with problems
	Poisson's distribution - mean and variance
	Uniform distribution - mean and variance. (1D and 2D)
	Normal distribution, mean and variance , problems
	Gamma, Exponential and Chi- Square Distribution -- mean and variance.
	Gamma, Exponential and Chi- Square Distribution : Problems.
	Functions of one dimensional random variables, Problems.
	Functions of two dimensional random variables, Problems.
	F and t- distribution (Definition only) and Problems
	Moment generating functions (mgf), Problems
	Problems related to mgf of both continuous and discrete random variables.