R22 Course Outcomes of Mathematics Papers

R22	Matrices & Calculus	Course Outcomes	Bloom's Taxonomy
C101	C111.1	Solve the system of linear equations using appropriate methods	Apply
	C111.2	Analyze the nature of quadratic form using eigen values and eigen vectors	Analyze
	C111.3	Derive infinite series expansions of differentiable functions using generalized mean value theorems	Apply
	C111.4	Evaluate improper integrals using Beta and Gamma functions	Apply
	C111.5	Optimize a given function with respect to given constrains	Analyze
	C111.6	Estimate area or volumes of few geometries using multiple integration	Apply

R22	ODE & VC	Course Outcomes	Bloom's Taxonomy
C102	**C121.1**	Solve geometrical and physical problems using first order and first degree differential equations	Analyze
	C121.2	Solve higher order linear differential equations with constant coefficients	Apply
	C121.3	Evaluate Laplace and inverse Laplace transforms of various functions	Apply
	C121.4	Apply Laplace Transforms to solve ordinary differential equations	Apply
	C121.5	Analyze the properties of Differential Operators	Analyze
	C121.6	Evaluate the line, surface, and volume integrals using their inter-relationships	Apply

R22	Laplace Transforms, Numerical Methods & Complex Variables	Course Outcomes	Bloom's Taxmony
	C221.1	Apply Laplace Transforms to solve ordinary differential equations	Apply

C221	C221.2	Estimate unknown values for a given data using Interpolation and method of least squares.	Apply
	C221.3	Apply numerical methods to solve algebraic and transcendental equations.	Apply
	C221.4	Apply numerical methods to evaluate definite integrals and solve initial value problems.	Apply
	C221.5	Analyze the complex functions with reference to their analyticity	Analyze
	C221.6	Apply the knowledge of complex functions to evaluate various integrals.	Apply

R22	COSM	Course Outcomes	Bloom's Taxmony
C213	C213.1	Distinguish between discrete and continuous random variables	Apply
	C213.2	Analyze and interpret statistical data using appropriate probability distributions	Analyze
	C213.3	Apply sampling distributions in real world problems	Apply
	C213.4	Estimate the value for a given parameter by choosing appropriate method	Apply
	C213.5	Apply suitable test to accept or reject a given hypothesis	Apply
	C213.6	Apply Stochastic process and Markov process to solve various problems	Apply

R22	MSF	Course Outcomes	Bloom's Taxmony
C221	C221.1	Demonstrate the knowledge on the concepts of Basic number theory and their applications in computer sciences.	Apply
	C221.2	Analyze and interpret statistical data using appropriate probability distributions	Analyze
	C221.3	Apply sampling distributions in real world problems	Apply
	C221.4	Estimate the value for a given parameter by choosing appropriate method	Apply
	C221.5	Apply suitable test to accept or reject a given hypothesis	Apply
	C221.6	Apply Stochastic process and Markov chains to solve real world problems	Apply