

Course No.	Course Title	Teaching Schedule			Allotment of Marks			Duration of Exam (Hrs.)
		L	T	P	Theory	Sessional	Total	
AS-105N	Applied Mathematics I	4	1	0	75	25	100	3
Course Outcomes (CO)								
CO-1	To Learn about matrices and rank, eigen values and eigen vectors and about the quadratic form of the matrices.							
CO-2	To understand Taylor's series, Maclurin's series, Asymptotes.							
CO-3	To learn about partial differentiation, Composite and Implicit functions, Maxima and Minima of functions of two variables.							
CO-4	To study and understand applications of partial differentiation.							
CO-5	To understand the complexity of Double integral, Triple integral.							
CO-6	To understand the complexity of integral calculus to find the area, volume, surface, volume of solid of revolution and, easy way to solve the multiple integrals by changing the variables.							

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		L	T	P	Theory	Sessional	Total	
AS-104N	Applied Mathematics II	4	1	0	75	25	100	3
Course Outcomes (CO)								
CO-1	To study and understand about Theory of equations and Beta and Gamma Functions.							
CO-2	To Acquire knowledge about many kinds of differential equations, different methods to find the solution of differential equations.							
CO-3	To Acquire knowledge about Laplace transform, Inverse Laplace transform and its applications.							
CO-4	To understand the complexity of Laplace transform.							
CO-5	To understand the complexity of scalar and vector point function, gradient, divergence and curl.							
CO-6	To study and understand about Green's, Divergence and Stoke's theorem and their applications.							

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		L	T	P	Theory	Sessional	Total	
AS-201N	Applied Mathematics-III	3	1	0	75	25	100	3
Course Outcomes (CO)								
CO-1	To understand the complexity of Fourier series and Fourier integrals transforms.							
CO-2	To understand functions of a complex variables.							
CO-3	To discuss application of flow problems and various transformations.							
CO-4	To understand the complexity of Probability distribution, Hypothesis testing.							
CO-5	To learn various distributions of probability.							
CO-6	To understand linear programming techniques and their applications.							