

A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN(A), KAKINADA

DEPARTMENT OF MATHEMATICS

ACADEMIC YEAR - 2023-24

LIST OF COURSES OFFERED

Yr.	Course & Theory	Paper	Title	Workload Hrs / Week	Credits	Max. Marks		
						CIA	Extrnl	Total
I	Sem I	I (Major)	Essentials and Applications of Mathematical, Physical and Chemical Sciences	3Hrs	4	40	60	100
		II (Major)	Advances in Mathematical, Physical and Chemical	3 Hrs	4	40	60	100
		Skill Course	Analytical Skills	2 Hrs	2	10	40	50
	Sem II	III (Major)	Differential Equations & Problem Solving Sessions	5 Hrs	4	40	60	100
		IV (Major)	Analytical Solid Geometry & Problem	5 Hrs	4	40	60	100
		I (Minor)	Differential Equations & Problem Solving	5 Hrs	4	40	60	100
II	Sem III	III	Abstract Algebra	6 Hrs	5	40	60	100
		Skill	Analytical Skills	2 Hrs	2	40	60	100
	Sem IV	IV	Real Analysis	5 Hrs	5	25	75	100
		V	Linear Algebra	5 Hrs	5	25	75	100
Sem V	VI A	(To choose One pair from the Three alternate pairs) Numerical Methods	5 Hrs	5	25	75	100	
	VII A	Mathematical Special Functions	5 Hrs	5	25	75	100	
		OR	5 Hrs	5	25	75	100	

III		VI B	Multiple integrals and Applications of Vector Calculus	5 Hrs	5	25	75	100
		VII B	Integral transforms with Applications	5 Hrs	5	25	75	100
			OR	5 Hrs	5	25	75	100
		VI C	Partial Differential Equations and Fourier Series	5 Hrs	5	25	75	100
		VIIC	Number theory	5 Hrs	5	25	75	100