

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

DEPARTMENT OF MATHEMATICS

Academic year 2025-26

List of courses Offered

Courses (Papers) offered under B.Sc. Mathematics Stream

Year	Sem. No.	Domain Specific course/Clusters	Title	Workload HR/week	credits	MAX.MARKS		
						CIA	EXT R	TOTAL
1 st year	I	Major	Differential equations	5Hrs	4	40	60	100
		Major	Solid Geometry	5Hrs	4	40	60	100
	II	Major	Group Theory	5Hrs	4	40	60	100
		Major	Elementary Real Analysis	5Hrs	4	40	60	100
2 nd year	III	Major	Group Theory	5Hrs	4	40	60	100
		Major	Numerical Methods	5Hrs	4	40	60	100
		Major	Laplace Transforms	5Hrs	4	40	60	100
		Major	Special Functions	5Hrs	4	40	60	100
		Minor	Group Theory	5Hrs	4	40	60	100
	IV	Major	Ring Theory	5Hrs	4	40	60	100
		Major	Introduction to Real Analysis	5Hrs	4	40	60	100
		Major	Integral Transforms	5Hrs	4	40	60	100
		Minor	Ring Theory	5Hrs	4	40	60	100

		Minor	Introduction to Real Analysis	5Hrs	4	40	60	100
3 rd year	V	Major	Linear algebra	5Hrs	4	40	60	100
		Major	Multiple integrals and Applications	5Hrs	4	40	60	100
		Major	Advanced numerical analysis	5Hrs	4	40	60	100
		Major	Number theory	5Hrs	4	40	60	100
		Minor	Linear algebra	5Hrs	4	40	60	100
		Minor	Multiple integrals and Applications	5Hrs	4	40	60	100