

**MSC MATHEMATICS PROGRAMME**  
**SCHEME OF LEARNING AND EVALUATION**  
**(For the students admitted in the academic year 2025 – 2026 & onwards)**  
**Outcome Based Curriculum Framework with CBCS**

Course Code	Course Title	Course Category	Course Type	Part Type	Lecture Hours	Tutorial Hours	Practical Hours	Course Credits	Max CA Marks	Max CE Marks	Total Marks
<b>Semester - I</b>											
25MAP101	Algebra	Core	Theory	3	5	1	0	4	25	75	100
25MAP102	Real Analysis	Core	Theory	3	5	1	0	4	25	75	100
25MAP103	Ordinary Differential Equations	Core	Theory	3	5	1	0	4	25	75	100
25MAP104	Optimization Techniques	Core	Theory	3	5	1	0	4	25	75	100
25MAP105	Mathematical Statistics	Core	Theory	3	5	1	0	4	25	75	100
<b>Semester - II</b>											
25MAP206	Complex Analysis	Core	Theory	3	4	1	0	4	25	75	100
25MAP207	Partial Differential Equations	Core	Theory	3	5	1	0	4	25	75	100
25MAP208	Topology	Core	Theory	3	5	1	0	5	25	75	100
25MAP209	Measure Theory	Core	Theory	3	4	1	0	4	25	75	100
25MAP210A	Major Elective Course - I Computational Methods	Elective	Theory	3	3	0	0	3	25	75	100
25MAP210B	Major Elective Course - I MATLAB and LaTeX	Elective	Theory	3	3	0	0	3	25	75	100
25MAP211A	Major Elective Course - I Computational Methods (Skill Based)	Elective	Practical	3	0	0	3	2	40	60	100
25MAP211B	Major Elective Course - I MATLAB and LaTeX (Skill Based)	Elective	Practical	3	0	0	3	2	40	60	100
25SECP201	Skill Enhancement Course: Cyber Security	Core	Theory	3	2	0	0	2	100	0	100
<b>Semester - III</b>											
25MAP312	Functional Analysis	Core	Theory	3	6	1	0	5	25	75	100
25MAP313	Mechanics	Core	Theory	3	5	1	0	4	25	75	100
25MAP314	Differential Geometry	Core	Theory	3	5	1	0	4	25	75	100
25MAP315A	Equations	Elective	Theory	3	5	1	0	5	25	75	100
25MAP315B	Cryptography	Elective	Theory	3	5	1	0	5	25	75	100

25IDCMAP	Inter Disciplinary Course -Documentation Using Latex Theory	Elective	Theory	3	3	0	0	2	25	75	100
25IDCMAP	Inter Disciplinary Course - Documentation using Latex (Practical)	Elective	Practical	3	0	0	2	2	40	60	100
25MAP318	Project	Core	Project	3	0	0	0	6	80	120	200
<b>Semester - IV</b>											
25MAP419	Operator Theory	Core	Theory	3	5	1	0	4	25	75	100
25MAP420	Control Theory	Core	Theory	3	5	1	0	4	25	75	100
25MAP421	Fluid Dynamics	Core	Theory	3	5	1	0	4	25	75	100
25MAP422	Mathematical Methods	Core	Theory	3	5	1	0	4	25	75	100
25MAP423	Fuzzy Set Theory	Core	Theory	3	5	1	0	4	25	75	100