

**MSC BIOCHEMISTRY 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>											
25BCP101	Chemistry of Biopolymers	Core	Theory	3	5	1	0	6	25	75	100
25BCP102	Analytical Biochemistry	Core	Theory	3	4	1	0	5	25	75	100
25BCP103	Enzymes and Enzyme Technology	Core	Theory	3	4	1	0	5	25	75	100
25BCP104	Cellular Biochemistry	Core	Theory	3	5	1	0	6	25	75	100
<b>Semester - II</b>											
25BCP205	Metabolic Regulation	Core	Theory	3	4	1	0	5	100	0	100
25BCP206	Microbial Biochemistry	Core	Theory	3	4	1	0	5	25	75	100
25BCP207	Advanced Plant Biochemistry	Core	Theory	3	4	1	0	5	25	75	100
25BCP208	Molecular Genetics	Core	Theory	3	4	1	0	5	25	75	100
25BCP209	Biochemistry Practical I & Viva (Skill Based)	Core	Practical	3	0	0	8	5	40	60	100
25SECP201	Skill Enhancement Course: Cyber Security	Core	Theory	3	2	0	0	2	100	0	100
<b>Semester - III</b>											
25BCP310	Advanced Clinical Biochemistry	Core	Theory	3	3	1	0	4	25	75	100
25BCP311	Biostatistics & Research Methodology	Core	Theory	3	3	1	0	4	25	75	100
25BCP312	Molecular Biotechnology	Core	Theory	3	3	1	0	4	25	75	100
25BCP313	Biochemistry Practical- II & Viva (Skill Based)	Core	Practical	3	0	0	7	5	40	60	100
25BCP314	Biochemistry Practical- III (Bioinformatics) (Skill Based)	Core	Practical	3	0	0	2	1	40	60	100
25BCP315A	Major Elective Course -I Bioinformatics	Elective	Theory	3	3	1	0	5	25	75	100

25BCP315B	Major Elective Course -I Endocrinology	Elective	Theory	3	3	1	0	5	25	75	100
25IDCBCP	Inter Disciplinary Course : Diagnostics & Plant Therapeutics (Theory)	Elective	Theory	3	2	1	0	2	25	75	100
25IDCBCP	Inter Disciplinary Course : Diagnostics & Plant Therapeutics (Practical)	Elective	Practical	3	0	0	2	2	40	60	100
<b>Semester - IV</b>											
25BCP418	Immunology	Core	Theory	3	4	1	0	5	25	75	100
25BCP419A	Major Elective Course - II Biochemistry of Drugs	Elective	Theory	3	4	1	0	5	25	75	100
25BCP419B	Major Elective Course - II Nano Biotechnology	Elective	Theory	3	4	1	0	5	25	75	100
25BCP420	Project/Innovation/Start-Up	Core	Project	3	0	0	0	6	80	120	200