

SCHEME OF EXAMINATION

Subject Code	Subject	Hours of Instruction	Exam Duration (Hours)	Max Marks			Credit Points
				CA	CE	Total	
First Semester							
Part A							
18PBCM101	Core I: Chemistry of Biopolymers	5	3	25	75	100	5
18PBCM102	Core II: Analytical Biochemistry	5	3	25	75	100	5
18PBCM103	Core III: Enzyme Catalysis and Regulation	5	3	25	75	100	5
18PBCM104	Core IV: Molecular Biology	5	3	25	75	100	5
18PBCM105	Core V: Cellular Biochemistry	5	3	25	75	100	5
18PBCMP101	Core Practical I: Analytical Biochemistry and Molecular Biology	4	6	40	60	100	3
Non Credit							
18PLS101	Career Competency Skills I	1	-	-	-	-	-
Total		30				600	28
Second Semester							
Part A							
18PBCM201	Core VI: Intermediary Metabolism and Regulation	6	3	25	75	100	5
18PBCM202	Core VII: Plant Biochemistry	5	3	25	75	100	5
	Elective I	5	3	25	75	100	5
18PBCMP201	Core Practical II: Plant Biochemistry	5	6	40	60	100	3

M.Sc., Biochemistry (Students Admitted from 2018 – 2019 onwards)

Optional Papers							
18PMBBCI201	IDC I: Clinical Microbiology	3	3	25	75	100	2
18PMBBCIP201	IDC Practical I: Clinical Microbiology	3	3	40	60	100	2
18PBTBCI201	IDC I: Plant Tissue Culture Technology	3	3	25	75	100	2
18PBTBCIP201	IDC Practical I: Plant Tissue Culture Technology	3	3	40	60	100	2
Part B							
18PVE201	Value Education: Human Rights	2	3	25	75	100	2
Non Credit							
18PLS201	Career Competency Skills II	1	-	-	-	-	-
Total		30				700	24
Third Semester							
Part A							
18PBCM301	Core VIII: Clinical Biochemistry	6	3	25	75	100	5
18PBCM302	Core IX: Biostatistics and Research Methodology	5	3	25	75	100	4
	Elective II	5	3	25	75	100	5
18PBCMP301	Core Practical III: Clinical Biochemistry	6	6	40	60	100	3
18PBCMP302	Core Practical IV: Statistical Software	2	3	40	60	100	2

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Optional Papers							
18PMBBCI301	IDC II: Industrial Microbiology	3	3	25	75	100	2
18PMBBCIP301	IDC Practical II: Industrial Microbiology	3	3	40	60	100	2
18PBTBCI301	IDC II: Animal Tissue Culture Technology	3	3	25	75	100	2
18PBTBCIP301	IDC Practical II: Animal Tissue Culture Technology	3	3	40	60	100	2
Total		30				700	23
Fourth Semester							
Part A							
18PBCM401	Core X: Human Physiology and Neuroscience	5	3	25	75	100	4
18PBCM402	Core XI: Hormonal Biochemistry and Biochemical Pharmacology	5	3	25	75	100	5
18PBCPR401	Project & Viva-Voce	6	-	50	150	200	6
Total		16				400	15
Grand Total						2400	90

ELECTIVE SUBJECT

The students shall choose any one of the following subjects as Elective I and II in the Second and Third semesters respectively.

ELECTIVE I

S.No	Semester	Subject code	Subject
1.	Second	18PBCEL201	Recombinant DNA Technology
2.		18PBCEL202	Food Processing And Quality Control

ELECTIVE II

S.No	Semester	Subject code	Subject
1.	Third	18PBCEL301	Molecular Immunology and Immunotechnology
2.		18PBCEL302	Molecular Genetics

FOR COURSE COMPLETION

Student shall complete:

- Value Education: Human Rights in II semester.
- IDC in II and III semester.
- Elective subjects in II and III semesters.
- Project & Viva-Voce in IV semester.
- Career Competency Skills in I and II semester.

TOTAL MARKS AND CREDIT DISTRIBUTION

S.NO	COMPONENET	MARKS	CREDITS
1.	PART A: Core subjects, Elective, IDC and Project	2300	88
2.	PART B: Value Education	100	2
TOTAL		2400	90