

Name of the Degree: M.Sc Chemistry												
Semester : 1st												
Sr. No.	Subject Code	Subject Name	Subject Category	Credits	Theory Max marks	Theory Min marks	IA Max marks	IA Min marks	Practical Max marks	Practical Min marks	Toal Max marks	Total Min marks
1	CHEM 101	Inorganic Chemistry Theory -1	DSC	4	80	32	20	8	0	0	100	40
2	CHEM 102	Organic Chemistry Theory -1	DSC	4	80	32	20	8	0	0	100	40
3	CHEM 103	Physical Chemistry Theory -1	DSC	4	80	32	20	8	0	0	100	40
4	CHEM 104	Mathematics for Chemists	GE	3	40	16	10	4	0	0	50	20
5	CHEM 105	Applications of computer in Chemistry	AECC	3	40	16	10	4	0	0	50	20
6	CHEM 106	Inorganic Chemistry Practical -1	DSC	3	0	0	0	0	50	20	50	20
7	CHEM 107	Organic Chemistry Practical -1	DSC	3	0	0	0	0	50	20	50	20
8	CHEM 108	Physical Chemistry Practical -1	DSC	3	0	0	0	0	50	20	50	20
Semester : 2nd												
Sr. No.	Subject Code	Subject Name	Subject Category	Credits	Theory Max marks	Theory Min marks	IA Max marks	IA Min marks	Practical Max marks	Practical Min marks	Toal Max marks	Total Min marks
1	CHEM 201	Inorganic Chemistry Theory -2	DSC	4	80	32	20	8	0	0	100	40
2	CHEM 202	Organic Chemistry Theory -2	DSC	4	80	32	20	8	0	0	100	40
3	CHEM 203	Physical Chemistry Theory -2	DSC	4	80	32	20	8	0	0	100	40
4	CHEM 204	Chemistry of Life Science	GE	3	40	16	10	4	0	0	50	20
5	CHEM 205	Environmental Chemistry	GE	3	40	16	10	4	0	0	50	20
6	CHEM 206	Inorganic Chemistry Practical -2	DSC	3	0	0	0	0	50	20	50	20
7	CHEM 207	Organic Chemistry Practical -2	DSC	3	0	0	0	0	50	20	50	20
8	CHEM 208	Physical Chemistry Practical -2	DSC	3	0	0	0	0	50	20	50	20
Semester : 3rd												
Sr. No.	Subject Code	Subject Name	Subject Category	Credits	Theory Max marks	Theory Min marks	IA Max marks	IA Min marks	Practical Max marks	Practical Min marks	Toal Max marks	Total Min marks
1	CHEM 301	Inorganic Chemistry Theory -3	DSC	4	80	32	20	8	0	0	100	40
2	CHEM 302	Organic Chemistry Theory -3	DSC	4	80	32	20	8	0	0	100	40
3	CHEM 303	Physical Chemistry Theory -3	DSC	4	80	32	20	8	0	0	100	40
4	CHEM 304	Inorganic Chemistry Special Theory -1	DSE	4	80	32	20	8	0	0	100	40
5	CHEM 305	Organic Chemistry Special Theory -1	DSE	4	80	32	20	8	0	0	100	40
6	CHEM 306	Physical Chemistry Special Theory -1	DSE	4	80	32	20	8	0	0	100	40
7	CHEM 307	Inorganic Chemistry Practical -3	DSC	3	0	0	0	0	50	20	50	20
8	CHEM 308	Organic Chemistry Practical -3	DSC	3	0	0	0	0	50	20	50	20
9	CHEM 309	Physical Chemistry Practical -3	DSC	3	0	0	0	0	50	20	50	20
Semester : 4th												
Sr. No.	Subject Code	Subject Name	Subject Category	Credits	Theory Max marks	Theory Min marks	IA Max marks	IA Min marks	Practical Max marks	Practical Min marks	Toal Max marks	Total Min marks
1	CHEM 401	Inorganic Chemistry Special Theory -2 (Advanced Organometallics)	DSE	4	80	32	20	8	0	0	100	40
2	CHEM 402	Inorganic Chemistry Special Theory -3 (Modern Techniques of Chemical Analysis)	DSE	4	80	32	20	8	0	0	100	40

3	CHEM 403	Inorganic Chemistry Special Theory -4 (Inorganic Spectroscopy)	DSE	4	80	32	20	8	0	0	100	40
4	CHEM 404	Inorganic Chemistry Special Theory -5 (Bio-Inorganic Chemistry)	DSE	4	80	32	20	8	0	0	100	40
5	CHEM 405	Organic Chemistry Special Theory -2 (Organic Synthesis)	DSE	4	80	32	20	8	0	0	100	40
6	CHEM 406	Organic Chemistry Special Theory -3 (Natural products)	DSE	4	80	32	20	8	0	0	100	40
7	CHEM 407	Organic Chemistry Special Theory -4 (Medicinal Chemistry)	DSE	4	80	32	20	8	0	0	100	40
8	CHEM 408	Organic Chemistry Special Theory -5 (Polymer Chemistry)	DSE	4	80	32	20	8	0	0	100	40
9	CHEM 409	Physical Chemistry Special Theory -2 (Advanced Quantum Chemistry)	DSE	4	80	32	20	8	0	0	100	40
10	CHEM 410	Physical Chemistry Special Theory -3 (Solid State Chemistry)	DSE	4	80	32	20	8	0	0	100	40
11	CHEM 411	Physical Chemistry Special Theory -4 (Biophysical Chemistry)	DSE	4	80	32	20	8	0	0	100	40
12	CHEM 412	Physical Chemistry Special Theory -5 (Chemistry of Macromolecules)	DSE	4	80	32	20	8	0	0	100	40
13	CHEM 413	Inorganic Chemistry Special Practical -1	DSE	6	0	0	0	0	100	40	100	40
14	CHEM 414	Organic Chemistry Special Practical-1	DSE	6	0	0	0	0	100	40	100	40
15	CHEM 415	Physical Chemistry Special Practical-1	DSE	6	0	0	0	0	100	40	100	40
16	CHEM 416	Two Seminar*	AECC	4	0	0	0	0	50	20	50	20

Subject Category in the format of :

1	Discipline Specific Core Courses (DSC)											
2	Discipline Specific Elective Courses (DSE)											
3	Generic Elective (GE)											
4	Ability Enhancement Compulsory Courses (AECC)											
5	Internship/Field work based Courses											

Total Credits required to competition of each semester and overall degree:

Semester	Discipline Specific Core Courses (DSC)	Discipline Specific Elective Courses (DSE)	Generic Elective (GE)	Ability Enhancement Compulsory Courses (AECC)	Internship/Field work based Courses	Total credits of semester
1st	21	0	3	3	0	27
2nd	21	0	6	0	0	27
3rd	21	4	0	0	0	25
4th	0	22	0	4	0	26
Total Credits	63	26	9	7	0	105

Please provide subjectname in English