

Scheme of Teaching

M.Sc. Chemistry

SEMESTER I

Sr. NO.	Subject Code	Subject	Contact Hours				Credits
			L	T	P	Total	
1	12M11CH101	Physical Chemistry	3	1	0	4	4
2	12M11CH102	Organic Chemistry	3	1	0	4	4
3	12M11CH103	Inorganic Chemistry	3	1	0	4	4
4	12M11CH104	Analytical Chemistry	2	1	0	3	3
5	12M11CH105	Chemistry of Nanomaterial	2	1	0	3	3
6	12M17CH171	Physical Chemistry Lab	0	0	2	2	1
7	12M17CH172	Organic Chemistry Lab	0	0	2	2	1
8	12M17CH173	Inorganic Chemistry Lab	0	0	2	2	1
Total						24	21

SEMESTER II

Sr. NO.	Subject Code	Subject	Contact Hours				Credits
			L	T	P	Total	
1	12M11CH201	Quantum Chemistry	3	1	0	4	4
2	12M11CH202	Industrial Organic Synthesis	3	1	0	4	4
3	12M11CH203	Chemical Dynamics & Surface Chemistry	2	1	0	3	3
4	12M11CH204	Physical Methods of Structure Determination	3	1	0	4	4
5	12M11CH205	Organic Chemistry-II	2	1	0	3	3
6	12M11CH206	Polymer Engineering	2	1	0	3	3
7	12M17CH271	Organic Chemistry Lab 2	0	0	2	2	1
8	12M17CH272	Surface Chemistry Lab	0	0	2	2	1
Total						25	23

SEMESTER III

Sr. NO.	Subject Code	Subject	Contact Hours				Credits
			L	T	P	Total	
1	12M11CH301	Organic Reaction Mechanisms-I and pericyclic reactions	3	1	0	4	4
2	12M11CH302	Organic Spectroscopy - I	3	1	0	4	4
3	12M11CH303	Organic Synthesis-I	3	1	0	4	4
4	12M11CH304	Natural Products and Biopolymers-I	3	1	0	4	4
5	12M17CH371	Research Methodology	0	0	4	4	2
Total						20	18

SEMESTER IV

Sr. NO.	Subject Code	Subject	Contact Hours				Credits
			L	T	P	Total	
1	12M11CH401	Organic Reaction Mechanisms-II and organic photochemistry	3	1	0	4	4
2	12M11CH402	Organic Spectroscopy -- II	3	1	0	4	4
3	12M11CH403	Organic Synthesis-II	3	1	0	4	4
4	12M11CH404	Natural Products and Biopolymers-II	3	1	0	4	4
5	12M17CH471	Research Project	0	0	4	4	2
Total						20	18