

M.Sc. (Chemistry Regular) (Semester I-IV)

Scheme of Courses of M.Sc. (Chemistry Regular) Semester System

Semester I					
Subject Code	Subject	L	T	P	Credits
PCH-111	Inorganic Chemistry – I	4	0	0	4
PCH-112	Organic Chemistry –I	4	0	0	4
PCH-113	Physical Chemistry-I	4	0	0	4
PCH-114	Mathematics in Chemistry	4	0	0	4
PCH-115	OR Biology in Chemistry	4	0	0	4
PCH-116	Inorganic Chemistry Practical (Session I)	0	0	6	3
PCH-117	Organic Chemistry Practical (Session I)	0	0	6	3
PCH-118	Physical Chemistry Practical (Session I)	0	0	6	3
Total		16	0	18	25
Total Hours:					34
Semester II					
Subject Code	Subject	L	T	P	credits
PCH-161	Inorganic Chemistry - II	4	0	0	4
PCH-162	Organic Chemistry -II	4	0	0	4
PCH-163	Physical Chemistry-II	4	0	0	4
PCH-164	Chemistry of advanced Materials	4	0	0	4
PCH-165	Inorganic Chemistry Practical (Session II)	0	0	6	3
PCH-166	Organic Chemistry Practical (Session II)	0	0	6	3
PCH-167	Physical Chemistry Practical (Session II)	0	0	6	3
Total		16	0	18	25
Total Hours:		34			

SEMESTER III					
Subject Code	Subject	L	T	P	Credits
PCH-211	Application of Spectroscopic techniques	5	0	0	5
PCH-212	Analytical Chemistry	5	0	0	5
PCH-213	Inorganic Chemistry Special-I	5	0	0	5
PCH-214	OR Organic Chemistry Special-I				
PCH-215	OR Physical Chemistry Special-I				
PCH-216	Inorganic Chemistry Practicals Special (3 Sessions)	0	0	6	3
PCH-217	OR Organic Chemistry Practicals Special (3 Sessions)				
PCH-218	OR Physical Chemistry Practicals Special (3 Sessions)				
PCH-269	Project (Synopsis)	0	0	3	3
Total		15	0	9	21
Total Hours:		24			
Semester – IV					
Subject Code	Subject	L	T		Credits
PCH-261	Bio Inorganic and Environmental Chemistry	5	0		5
PCH-262	Organic Synthesis	5	0		5
PCH-263	Inorganic Chemistry Special-II	5	0		5
PCH-264	OR Organic Chemistry Special-II				
PCH-265	OR Physical Chemistry Special-II				
PCH-269	Project (Experimental work)	0	6		3
Total		15	6		18
Total Hours:		21			