

M.Sc., SCHEME OF EXAMINATION

Subject Code	Subject	Hours of Instruction	Exam Duration (Hours)	Max Marks			Credit Points
				CA	CE	Total	
FIRST SEMESTER							
Part A							
18PCHM101	Core I: Organic Chemistry I	5	3	25	75	100	5
18PCHM102	Core II: Inorganic Chemistry I	5	3	25	75	100	5
18PCHM103	Core III: Physical Chemistry I	5	3	25	75	100	4
18PCHM104	Core IV: Spectroscopy	4	3	25	75	100	4
18PCHMP101	Core Practical I: Organic Practical I	5	6	40	60	100	3
18PCHMP102	Core Practical II: Inorganic Practical I	5	6	40	60	100	3
Non Credit							
18PLS101	Career Competency Skills I	1	-	-	-	-	-
Total		30				600	24
SECOND SEMESTER							
Part A							
18PCHM201	Core V: Organic Chemistry II	5	3	25	75	100	5
18PCHM202	Core VI: Inorganic Chemistry II	5	3	25	75	100	5
18PCHM203	Core VII: Physical Chemistry II	4	3	25	75	100	4
	Elective I	4	3	25	75	100	4
18PCHMP201	Core Practical III: Organic Practical II	5	6	40	60	100	3
18PCHMP202	Core Practical IV: Physical Practical I	4	6	40	60	100	3

M.Sc., Chemistry (Students admitted from 2018-19 onwards)

Part B							
18PVE201	Value Education: Human Rights	2	3	25	75	100	2
Non-Credit							
18PLS201	Career Competency Skills II	1	-	-	-	-	-
	Total	30				700	26
THIRD SEMESTER							
PART - A							
18PCHM301	Core VIII: Organic Chemistry III	6	3	25	75	100	5
18PCHM302	Core IX: Inorganic Chemistry III	6	3	25	75	100	5
	Elective II	4	3	25	75	100	4
18PCHMP301	Core Practical V: Inorganic Practical II	5	6	40	60	100	3
18PCHMP302	Core Practical VI: Physical Practical II	5	6	40	60	100	3
18PPHCHI301	IDC I: Solid State Physics	4	3	25	75	100	4
	Total	30				600	24
FOURTH SEMESTER							
PART - A							
18PCHM401	Core X: Analytical Chemistry	5	3	25	75	100	5
18PCHM402	Core XI: Physical Chemistry III	5	3	25	75	100	5
18PCHPR401	Project & Viva -Voce	5	-	50	150	200	6
	Total	15				400	16
Grand Total						2300	90

Elective I

The department offers the following three subjects as elective courses for second semester

Paper code	Semester	Paper name
18PCHEL201	II	Elective I: Polymer Chemistry I
18PCHEL202	II	Elective I: Bio-inorganic chemistry I
18PCHEL203	II	Elective I: Principles and applications of drug design and discovery

Elective II

The department offers the following three subjects as elective courses for third semester

Paper code	Semester	Paper name
18PCHEL301	III	Elective II: Photochemistry
18PCHEL302	III	Elective II: Bio-inorganic chemistry II
18PCHEL303	III	Elective II: Polymer Chemistry II

For course completion:

- Students shall opt two Elective subjects.
- Students shall opt one IDC in third semester.
 - Students shall complete one Value Education in Second Semester.

TOTAL CREDIT DISTRIBUTION

Subject	Total Marks		Credits
Part A			
Core Subjects	6×100	600	8×5=40
Core Subjects	5×100	500	3×4=12
Elective Subjects	2×100	200	2×4=08
Core Practicals	6×100	600	6×3=18
Inter Disciplinary Course	1×100	100	1×4=04
Project & Viva-Voce	1×200	200	1×6=06
Part B			
Value Education: Human Rights	1×100	100	1×2=02
Total		2300	90