

M.Sc. - BRANCH - III - CHEMISTRY

SEMESTER SYSTEM

SCHEME OF THE ACADEMIC PROGRAMME

As per guidelines issued by the UGC the effective teaching days per semester must be not less than 90 days (18 weeks per Semester). Based on the assumption that there will be 5 days in a week of 6 hours duration per day. The syllabus has been designed.

COURSE	THEORY	LAB COURSE	TOTAL HOURS
I SEMESTER	18 Hrs./week (324 Hrs./Sem)	12 Hrs./week (216Hrs./Sem)	30 Hrs./week (540 Hrs./Sem.)
II SEMESTER	18 Hrs./week (324 Hrs./Sem)	12 Hrs./week (216Hrs./Sem)	30 Hrs./week (540 Hrs./Sem.)
III SEMESTER	18 Hrs./week (324 Hrs./Sem)	12 Hrs./week (216Hrs./Sem)	30 Hrs./week (540 Hrs./Sem.)
IV SEMESTER	15 Hrs./week (270 Hrs./Sem)	15 Hrs./week (270Hrs./Sem)	30 Hrs./week (540 Hrs./Sem.)

M.Sc. CHEMISTRY
COURSE STRUCTURE

FIRST YEAR

FIRST SEMESTER:

PAPER	COURSE No.	TITLE OF THE PAPER	HOURS
I	CH-401	INORGANIC CHEMISTRY - I	90
II	CH-421	ORGANIC CHEMISTRY - I	90
III	CH-441	PHYSICAL CHEMISTRY - I	90
IV	CH-400	LAB. COURSE - I (Inorganic)	216

SECOND SEMESTER:

PAPER	COURSE No.	TITLE OF THE PAPER	HOURS
V	CH-402	INORGANIC CHEMISTRY - II	90
VI	CH-422	ORGANIC CHEMISTRY - II	90
VII	CH-442	PHYSICAL CHEMISTRY - II	90
VIII	CH-420	LAB. COURSE - II (Organic)	216

SECOND YEAR

THIRD SEMESTER:

PAPER	COURSE No.	TITLE OF THE PAPER	HOURS
IX	CH-501	INORGANIC PHOTOCHEMISTRY & BIOINORGANICS.	90
X	CH-521	ORGANIC SPECTROSCOPY	90
XI	CH-541	PHYSICAL CHEMISTRY - III	90
XII	CH-540	LAB. COURSE - III (Physical)	216

FOURTH SEMESTER:

PAPER	COURSE No.	TITLE OF THE PAPER	HOURS
XIII	CH-572	ADVANCED TOPICS IN CHEMISTRY	90
XIV	CH-582	ELECTIVE PAPER*	90
	CH-582A	ENVIRONMENTAL CHEMISTRY	
	CH-582B	NATURAL PRODUCTS AND HETEROCYCLICS	
	CH-582C	COMPUTATIONAL CHEMISTRY	
	CH-582D	POLYMER CHEMISTRY	
XV	CH-570	PROJECT/ADVANCED LEVEL PRACTICALS/REVIEW WORK	150
XVI	CH-580*	LAB. COURSE - IV (Electives)	120

* FROM THE ELECTIVE PAPERS A TO D STUDENTS ARE REQUIRED TO SELECT ONE PAPER

Note: Seminar, Test, and Library can be allotted one hour each per week

- CH 580 Lab course - IV (electives) shall be designed by the concerned faculty depending on the elective course taken by the student. Details of the Lab course shall be informed to the University well in advance.

M.Sc. CHEMISTRY
EXAMINATION PATTERN

SEMESTER	PAPER	DURATION		MARKS		TOTAL
		OF EXAM.	INTERNAL	EXTERNAL		
1	CH-401	3 Hrs.	25	75	100	
1	CH-421	3 Hrs.	25	75	100	
1	CH-441	3 Hrs.	25	75	100	
1	CH-400	6 Hrs.	50	50	100	
2	CH-402	3 Hrs.	25	75	100	
2	CH-422	3 Hrs.	25	75	100	
2	CH-442	3 Hrs.	25	75	100	
2	CH-420	6 Hrs.	50	50	100	
3	CH-501	3 Hrs.	25	75	100	
3	CH-521	3 Hrs.	25	75	100	
3	CH-541	3 Hrs.	25	75	100	
3	CH-540	6 Hrs.	50	50	100	
4	CH-572	3 Hrs.	25	75	100	
4	CH-582(A,B,C,D)	3 Hrs.	25	75	100	
4	CH-570	6 Hrs.	50	50	100	
4	CH-580	6 Hrs.	100	—	100	

