

1. Structure of the Programme:

Curriculum Framework Syllabus – B.Sc. (Chemistry) 2022-23 L-5 (I Semester)

I-Semester

Level / Semester	Nature of Course	Courses Code	Course Title	MM	L	T	P	C
L-5 1 Semester	Discipline Specific: Major	CHE-DSM-111	Fundamentals of Inorganic & Physical Chemistry (Theory)	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-112	Inorganic & Physical Chemistry (Practical)	100	0	0	2	2
	Discipline Specific: Major	DSM-113	Other Department	100	6	0	0	6
	Multi Discipline Major	CHE-MDM-111	Chemical Biology (Theory)	100	4	0	0	4
	Discipline Specific: Major	CHE-MDM-112	Chemical Biology (Practical)	100	0	0	2	2
	Skill Enhancement Course (Either in I or II Sem)	CHE-SEC-111	Basic Laboratory Practices	100	0	0	2	2
	Value Enhancement Course	VEC-111	Other Department					Qualifying
	Total Credits							20

Note: Student can choose either AEC or SEC in one semester

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Curriculum Framework
Syllabus – B.Sc. (Chemistry) 2022-23
L-5 (II Semester)

II-Semester

Level / Semester	Nature of Course	Courses Code	Course Title	MM	L	T	P	C
L-5 II Semester	Discipline Specific: Major	CHE-DSM-211	Fundamentals of Organic & Physical Chemistry (Theory)	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-212	Organic & Physical Chemistry (Practical)	100	0	0	2	2
	Discipline Specific: Major	DSM-213	Other Department	100	6	0	0	6
	Multi Discipline Major	CHE-MDM-211	Mathematical concept and Material Chemistry	100	4	0	0	4
	Multi Discipline Major	CHE-MDM-212	Chemistry (Practical)	100	0	0	2	2
	Ability Enhancement Course (AEC) (Either in I or II Sem)	CHE-AEC-111	Analysis of Applied and Industrial Products	100	2	0	0	2
	Value Enhancement Course (VEC)	VEC-211	Other Department					Qualifying
Total Credits								20
Exit with Certificate								

*Note: Student can choose either AEC or SEC in one semester

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1. Structure of the Programme:

Curriculum Framework Syllabus – M.Sc. (Chemistry) 2022-23 L-8 (I & II Semester)

I-Semester			Course Title	MM	L	T	P	C
Level / Semester	Nature of Course	Courses Code						
1 Semester	Discipline Specific: Major	CHE-DSM-121	Inorganic Chemistry	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-122	Laboratory Course: Inorganic Chemistry	100	0	0	2	2
	Discipline Specific: Major	CHE-DSM-123	Organic Chemistry	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-124	Laboratory Course: Organic Chemistry	100	0	0	2	2
	Discipline Specific: Major	CHE-DSM-124	Chemistry	100	4	0	0	4
	Multi Discipline Major	CHE-MDM-121	Chemical Physics	100	0	0	2	2
	Multi Discipline Major	CHE-MDM-122	Laboratory Course: Chemical Physics	100	0	0	2	2
	Skill Enhancement Course	CHE-SEC-121	Spectroscopy	100	3	0	0	3
	Skill Enhancement Course	CHE-SEC-122	Laboratory Course: Spectroscopy	100	0	0	1	1
								22
Total Credits								

II-Semester			MM	L	T	P	C	
Level / Semester	Nature of Course	Courses Code	Course Title					
II Semester	Discipline Specific: Major	CHE-DSM-221	Inorganic Chemistry	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-222	Laboratory Course: Inorganic Chemistry	100	0	0	2	2
	Discipline Specific: Major	CHE-DSM-223	Organic Chemistry	100	4	0	0	4
	Discipline Specific: Major	CHE-DSM-224	Laboratory Course: Organic Chemistry	100	0	0	2	2
	Multi Discipline Major	CHE-MDM-221	Chemical Physics (Theory)	100	4	0	0	4
	Multi Discipline Major	CHE-MDM-222	Laboratory Course: Chemical Physics	100	0	0	2	2
	Skill Enhancement Course	CHE-SEC-221	Computer for Chemist	100	3	0	0	3
	Skill Enhancement Course	CHE-SEC-222 CHE-SEC-222	Computer for Chemist (Laboratory)	100	0	0	1	1
Total Credits								22
Exit with Post-Graduate Diploma								

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