

J.J. College of Arts and Science (Autonomous)
Department of Chemistry


Proposed Course Structure based on TANSCHÉ and UGC - LOCF
(Choice Based Credit System)
(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)

B.Sc. Chemistry - Semester I

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R3TL1/ HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U1R3EL1	Language - II (English)	3	6	25	75	100
3	Part - III	U1R3CHCC1	General Chemistry - I	5	5	25	75	100
4		U1R3CHCC2P	Quantitative Inorganic Estimation (Titrimetry) and Inorganic Preparations	5	5	40	60	100
5		U1R3CHDSE1	Mathematics - I	3	4	25	75	100
6	Part - IV	U1R3CHSEC1 (NME)	To be opted from other Department	2	2	25	75	100
7		U1R3CHFC	Foundation Course	2	2	25	75	100
Total				23	30			700

M.Sc. Chemistry - Semester I

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester I							
1	P1R3CHCC1	Organic Reaction Mechanism - I	5	7	25	75	100
2	P1R3CHCC2	Structure and Bonding in Inorganic Compounds	5	7	25	75	100
3	P1R3CHCC3P	Organic Chemistry Practical	4	6	40	60	100
4	P1R3CHDSE 1:1 / 1:2	Anyone from the List	3	5	25	75	100
5	P1R3CHDSE 2:1 / 2:2	Anyone from the List	3	5	25	75	100
Total			20	30			500


 30/6/2023
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B.Sc. Chemistry - Semester II

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
Semester II								
1	Part - I	U2R3TL2/HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U2R3EL2	Language - II (English)	3	6	25	75	100
3	Part - III	U2R3CHCC3	General Chemistry-II	5	5	25	75	100
4		U2R3CHCC4P	Qualitative Organic Analysis and Preparation of Organic Compounds Practical	5	5	40	60	100
5		U2R3CHDSE2	Mathematics-II	3	4	25	75	100
6	Part - IV	U2R3CHSEC2 (NME2)	To be opted from other Department	2	2	25	75	100
7		U2R3CHSEC 3:1 / 3:2	Cosmetic and Personal Grooming / Entrepreneurial Skills in Chemistry	2	2	25	75	100
Total				23	30			700

M.Sc. Chemistry - Semester II

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
Semester II							
1	P2R3CHCC4	Organic Reaction Mechanism-II	5	6	25	75	100
2	P2R3CHCC5	Physical Chemistry-I	5	6	25	75	100
3	P2R3CHCC6P	Inorganic Chemistry Practical	4	6	40	60	100
4	P2R3CHDSE 3:1 / 3:2	Medicinal Chemistry / Green Chemistry	3	4	25	75	100
5	P2R3CHDSE 4:1 / 4:2	Bioinorganic Chemistry/ Material Science	3	4	25	75	100
6	P2R3CHSEC 1:1 / 1:2	Preparation of Consumer Products / Chemistry in Everyday life	2	4	25	75	100
Total			22	30			600

Principal

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