

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI.



Scheme of Teaching and Examinations and Syllabus
M.Sc. in Chemistry
(**Specialisation:** Forensics / Nano / Pharmaceutical Chemistry)
(Effective from the Academic year 2023-24)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

Scheme of Teaching and Examinations – 2023

M.Sc. in Chemistry

(Specialization: Forensics / Nano / Pharmaceutical Chemistry)

Choice Based Credit System (CBCS) and Outcome-Based Education(OBE)

I SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination				Credits
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P	T/SDA					
1	HCC	22MSC11	Concepts of Organic Chemistry	03	00	02	03	50	50	100	4
2	HCC	22MSC12	Concepts of Inorganic Chemistry	03	00	02	03	50	50	100	4
3	HCC	22MSC13	Kinetics, Photochemistry and Catalysis	03	00	02	03	50	50	100	4
4	SCC	22MSC14	Principles of Quantum Mechanics	02	00	00	03	50	50	100	2
5	SCC	22MSC15	Solid State Chemistry	02	00	00	03	50	50	100	2
6	MCC	22MSC16	Research Methodology and IPR	02	00	00	03	50	50	100	2
7	SCP	22MSC17	Inorganic Chemistry Practicals	00	06	00	03	50	50	100	3
8	AUD/AEC	22MSC18	Online Course	Classes and evaluation procedures are as per the policy of the online course providers.							PP
TOTAL				15	06	06	21	350	350	700	21

II SEMESTER

Sl. No	Course	Course Code	Course Title	Teaching Hours per Week			Examination				Credits
				Theory	Practical/Seminar	Tutorial/Skill Development Activities	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	P	T/SDA					
1	HCC	22MSC21	Mechanism of Organic Reactions	03	00	02	03	50	50	100	4
2	HCC	22MSC22	Chemical Thermodynamics	03	00	02	03	50	50	100	4
3	HCC	22MSC23	Electrochemistry	03	00	02	03	50	50	100	4
4	SCC	22MSC24	Introduction to Nanoscience	02	00	00	03	50	50	100	2
5	SCC	22MSC25	Molecular Spectroscopy	02	00	00	03	50	50	100	2
6	SCP	22MSC27	Physical Chemistry Practical	00	06	00	03	50	50	100	3
7	AUD/AEC	22MSC28	Online Course	Classes and evaluation procedures are as per the policy of the online course providers.							PP
TOTAL				13	06	06	18	300	300	600	19