

**SEETHALAKSHMI RAMASWAMI COLLEGE****(Autonomous)****Affiliated to Bharathidasan University****Tiruchirappalli***Accredited with A+ by NAAC (4<sup>th</sup> Cycle)***M.Sc. CHEMISTRY****Revised CBCS -OBE -BASED Curriculum Structure****(For Students admitted from June 2021 onwards)**

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	CIA	SE	TOTAL
I	Core Course-I	P211CHMT01	Inorganic Chemistry- I	6	5	EXT	25	75	100
	Core Course- II	P211CHMT02	Organic Chemistry- I	6	5	EXT	25	75	100
	MBE-I	P211CHME01:1	Chemistry of Biomolecules, Catalysis and Photokinetics	6	4	EXT	25	75	100
	Core Practical-I	P212CHMP01	Practical-I: Inorganic Mixture Analysis, Colorimetric Estimation and Complex Preparation	3	-	-	-	-	-
	I Practical- I		Practical-I: Inorganic Mixture Analysis, Colorimetric Estimation and Complex Preparation	3	-	-	-	-	-
	Core Practical-II	P212CHMP02	Practical-II: Quantitative Estimations of Mixture of Metal Ions						
	Core Practical - III	P212CHMP03	Practical-III: Organic Mixture Analysis and Single Stage Preparation	3	-	-	-	-	-
	Core Practical-IV	P212CHMP04	Practical-IV: Organic Quantitative Analysis and Double Stage Preparation	3	-	-	-	-	-
			<b>Total</b>	<b>30</b>	<b>14</b>	-	-	-	<b>300</b>

II	Core Course–III	P212CHMT03	Organic Chemistry-II	6	5	EXT	25	75	100
	Core Course–IV	P212CHMT04	Physical Chemistry-I	6	5	EXT	25	75	100
	Core Practical –I	P212CHMP01	Practical-I: Inorganic Mixture Analysis, Colorimetric Estimation and Complex Preparation	3	4	EXT	40	60	100
	Core Practical- II		P212CHMP02	Practical-II: Quantitative Estimations of Mixture of Metal Ions	3	4	EXT	40	60
	Core Practical-III	P212CHMP03	Practical-III: Organic Mixture Analysis and Single Stage Preparation	3	4	EXT	40	60	100
	Core Practical-IV	P212CHMP04	Practical-IV: Organic Quantitative Analysis and Double Stage Preparation	3	4	EXT	40	60	100
	NME*		Offered by other Departments	6	4	INT	25	75	100
			<b>Total</b>	<b>30</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>700</b>
*Offered by the Department to the students of other disciplines.									
III	Core Course– V	P213CHMT05	Physical Chemistry-II	6	5	EXT	25	75	100
	Core Course–VI	P213CHMT06	Physical Methods in Chemistry-I	6	6	EXT	25	75	100
	Core Practical–V	P213CHMP05	Practical-V: Non Electrical Experiments in Physical Chemistry	6	4	EXT	40	60	100
	Core Practical–VI	P213CHMP06	Practical-VI: Electrical Experiments in Physical Chemistry	6	4	EXT	40	60	100
	MBE–II	P213CHME02:1	Chemistry of Supramolecules and Natural Products	6	4	EXT	25	75	100
			<b>Total</b>	<b>30</b>	<b>23</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>500</b>

IV	Core Course– VII	P214CHMT07	Inorganic Chemistry- II	6	5	EXT	25	75	100
	Core Course–VIII	P214CHMT08	Physical Methods in Chemistry- II	6	6	EXT	25	75	100
	MBE–III	P214CHME03:1	Medicinal Chemistry	6	4	EXT	25	75	100
	MBE–IV	P214CHME04:1	Advanced techniques and Computers in Chemistry	6	4	EXT	25	75	100
		P214CHPJ01	Project	6	4	EXT	20	80	100
			<b>Total</b>	<b>30</b>	<b>23</b>	-	-	-	<b>500</b>
	<b>Grand Total</b>			<b>120</b>	<b>90</b>	-	-	-	<b>2000</b>