



SEETHALAKSHMI RAMASWAMI COLLEGE

(Autonomous)

Affiliated to Bharathidasan University

Tiruchirappalli

Accredited with A+ by NAAC (4th Cycle)



M.Sc. BIOCHEMISTRY

Revised CBCS-OBE-BASED Curriculum Structure

(For students admitted from 2021 onwards)

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	INT	EXT	TOT
I	Core course-I	P211BCMT01	Chemistry of Biopolymers	6	5	EXT	25	75	100
	Core course- II	P211BCMT02	Analytical Biochemistry	6	5	EXT	25	75	100
	Core course-III	P211BCMT03	Cellular Mechanism	6	5	EXT	25	75	100
	MBE-I	P211BCME01:1	Microbial Biochemistry	4	4	EXT	25	75	100
	Core Practical-I	P212BCMP01	Practical-I: Biochemical Analysis	4	-	-	-	-	-
	Core Practical-II	P212BCMP02	Practical-II: Assay of Enzyme activity	4	-	-	-	-	-
			TOTAL	30	19				400
II	Core course-IV	P212BCMT04	Hormonal Regulation	6	5	EXT	25	75	100
	Core course-V	P212BCMT05	Enzyme and Enzyme Technology	6	5	EXT	25	75	100
	MBE-II	P212BCME02:1	Pharmaceutical and NeuroBiochemistry	5	4	EXT	25	75	100
	Core Practical-I	P212BCMP01	Practical-I: Biochemical Analysis	4	4	EXT	40	60	100
	Core Practical-II	P212BCMP02	Practical-II: Assay of Enzyme activity	4	4	EXT	40	60	100
	NME	P212BCNE01	Offered by the other Departments	5	4	INT	25	75	100
			TOTAL	30	26				600

SEM	COURSE	COURSE CODE	COURSE TITLE	HRS	CRD	INT/EXT	INT	EXT	TOT
III	Core course-VI	P213BCMT06	Energetics and Metabolic Regulation	6	5	EXT	25	75	100
	Core course-VII	P213BCMT07	Genetics and Molecular Biology	6	5	EXT	25	75	100
	Core course-VIII	P213BCMT08	Advanced clinical Biochemistry	6	5	EXT	25	75	100
	MBE-III	P213BCME03:1	Bioinformatics and Nanotechnology	4	4	EXT	25	75	100
	Core Practical-III	P214BCMP03	Practical-III: Clinical Biochemistry	4	-	-	-	-	-
	Core Practical-IV	P214BCMP04	Practical-IV: Plant and Microbial Biochemistry	4	-	-	-	-	-
			TOTAL	30	19				400
IV	Core course-IX	P214BCMT09	Immunology	6	5	EXT	25	75	100
	Core course-X	P214BCMT10	Genetic Engineering	6	5	EXT	25	75	100
	MBE-IV	P214BCME04:1	Phytochemistry and applications	4	4	EXT	25	75	100
	Core Practical-III	P214BCMP03	Practical-III: Clinical Biochemistry	4	4	EXT	40	60	100
	Core Practical-IV	P214BCMP04	Practical-IV: Plant and Microbial Biochemistry	4	4	EXT	40	60	100
	Project	P214BCPJ01	Project	6	4	EXT	20	80	100
			TOTAL	30	26				600
			GRANDTOTAL	120	90				2000

