

SCHEME OF EXAMINATIONS
B. Sc. BIOCHEMISTRY
2014 BATCH - BASED ON CHOICE BASED CREDIT SYSTEM

Semester	Part	Type	Title of the paper	Hours Of Instructions/	Credits	Duration Of Examination in Hours	Marks		
							CIA	EOS	Total
I	I	L-I	Tamil//Arabic/French/Hindi/Malayalam-I	6	4	3	25	75	100
	II	E-I	English I	6	4	3	25	75	100
	III	M-I	Biomolecules	5	4	3	25	75	100
	III	M-II	Cellular Biochemistry	5	4	3	25	75	100
	III	A-I	Allied chemistry Theory	5	4	3	25	75	100
	III	MP-I	Major Biochemistry Practical – I	3	-	-	-	-	-
	IV	FC-A	Foundation Course A-Value Education - Environmental Studies (Self Study)	-	2	3	50	-	50
	V	EC	NCC/NSS/Sports/Games	-	-	-	-	-	-
II	I	L-II	Tamil//Arabic/French Hindi/Malayalam - II	6	4	3	25	75	100
	II	E-II	English II	6	4	3	25	75	100
	III	M-III	Instrumentation Techniques	6	4	3	25	75	100
	III	MP-I	Major Biochemistry Practical – I	5	4	3	40	60	100
	III	AP- I	Office automation and multimedia practical	5	4	3	40	60	100
	IV	FC-B	Foundation Course B - General Awareness (Self Study)	-	2	3	50	-	50
	IV	SBC-I	Enzymology	2	4	3	25	75	100
	V	EC	NCC/NSS/Sports/Games	-	-	-	-	-	-
III	I	L-III	Tamil//Arabic/French/Hindi/Malayalam- III	6	4	3	25	75	100
	II	E-III	English III	6	4	3	25	75	100
	III	M-IV	Molecular Biology	6	4	3	25	75	100
	III	MP-II	Major Biochemistry Practical – II	5	-	-	-	-	-
	III	AP-II	Lab in Chemistry & Biochemistry	5	4	3	40	60	100
	IV	SBC-II	Lab in MLT	2	4	3	40	60	100
		V	EC	NCC/NSS/Sports/Games	-	-	-	-	-
IV	I	L-IV	Tamil//Arabic/French/Hindi/Malayalam- IV	6	4	3	25	75	100
	II	E-IV	English IV	6	4	3	25	75	100
	III	MP-II	Major Biochemistry Practical – II	6	4	6	40	60	100
	III	A-II	Basic Mathematics	5	4	3	25	75	100
	III	EL-I	Intermediary metabolism	5	4	3	25	75	100*
	IV	SBC-III	Aptitude Skills	2	4	3	100	-	100
		V	EC	NCC/NSS/Sports/Games	-	1	-	100	-
V	III	M-V	Biochemical Pharmacology	5	4	3	25	75	100
	III	M-VI	Immunology	4	4	3	25	75	100
	III	M-VII	Stem cells and Nanotechnology	4	4	3	25	75	100
	III	M-VIII	Clinical Research	4	4	3	25	75	100
	III	MP-III	Major Biochemistry Practical – III	5	-	-	-	-	-
	III	MP-IV	Major Biochemistry Practical – IV	4	-	-	-	-	-

	III	EL-II	EDC - Health Management – Annexure I*	2	3	3	25	75	100*
	IV	SBC-IV	Microbial Physiology	2	4	3	25	75	100
VI	III	M-VIII	Plant Biochemistry	5	4	3	25	75	100
	III	M-IX	Clinical Biochemistry	5	3	3	25	75	100
	III	EL - III	r-DNA Technology	5	4	3	25	75	100*
	III	MP-III	Major Biochemistry Practical – III	5	4	6	40	60	100
	III	MP-IV	Major Biochemistry Practical – IV	5	4	6	40	60	100
	III	M(PV)	Mini Project**	5	5	-	40	60	100
	III	IT	Industrial Training***	-	-	-	Completed/Not Completed		
			Total		140		3600		
Extra Credits									
III-VI		CS	(i) Career Skills	-	3	-	-	-	-
V		ALCTA	(ii) Hospital Management	-	4	-	-	-	Grade
I- II		DM	(iii) Fire Fighting	-	1	-	-	-	-
III - IV		FA	(iv) First Aid Training	-	1	-	-	-	-

ABBREVIATIONS AND EXPANSIONS:

Abbreviation	Expansion
L	Language
E	English
M	Major Paper
MP	Major Practical
A	Allied Paper
EL	Elective
EC	Extra Curricular Activities
SBC	Skill Based Course
NML	Non Major Language :- BT – Basic Tamil; AT – Advanced Tamil & NME (Non major Elective) - CIA only
FC – A& B	Foundation Course A& B
EDC	Extra Disciplinary Course
ALCTA	Advanced Learners Course in Thrust Area
CS	Career Skills
*	Vide Annexure – I - EDC – Health Management
**	PROJECT: Report – Viva – Voce marks 80:20 respectively will be jointly assessed based on 40:60 ratio application
***	INDUSTRIAL TRAINING – One Industrial training for fifteen days

ELECTIVE – I

1. Intermediary metabolism
2. Bioinformatics

ELECTIVE – I

1. r-DNA Technology
2. Animal and Plant Cell Biotechnology