

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

Proposed Course Structure based on TANSCH and UGC-LOCF

(Choice Based Credit System)

(Applicable for the Candidates admitted from the academic year 2026-2027 Onwards)

B.Sc. Biochemistry

Sl. No.	Course Category	Course Code	Course	Credits	Hours/ Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part-I	U1R4TL1/HL1/FL1	Language-I (Tamil/Hindi/French)	3	6	25	75	100
2	Part-II	U1R4EL1	Language-II English	3	6	25	75	100
3	Part-III	U1R4BCCC1	Biomolecules	5	5	25	75	100
4		U1R4BCCC2P	Practical-I(CoveringCC1)	5	5	40	60	100
5		U1R4BCAC1	Chemistry	3	3	25	75	100
6		U1R4BCAC2P	Allied Practical-I	3	3	40	60	100
7	Part-IV	U1R4_GEC1	To be opted from other Department	2	2	25	75	100
Total				24	30	-	-	700
Semester II								
1	Part-I	U2R4TL2/HL2/FL2	Language-I	3	6	25	75	100
2	Part-II	U2R4EL2	(Tamil/Hindi/French)	3	6	25	75	100
3	Part-III	U2R4BCCC3	Cell Biology	5	5	25	75	100
4		U2R4BCCC4P	Practical-II(CoveringCC3)	5	5	40	60	100
5		U2R4BCAC3	Microbiology	3	3	25	75	100
6		U2R4BCAC4P	Allied Practical-II	3	3	40	60	100
7	Part-IV	U2R4_GEC2	To be opted from other Department	2	2	25	75	100
Total				24	30	-	-	700
Semester III								
1	Part-I	U3R4TL3/HL3/FL3	Language-I	3	5	25	75	100
2	Part-II	U3R4EL3	(Tamil/Hindi/French)	3	5	25	75	100
3	Part-III	U3R4BCCC5	Enzymology	5	5	25	75	100
4		U3R4BCCC6P	Practical-III(CoveringCC5)	5	5	40	60	100
5		U3R4BCAC5	Fundamentals of Biology	3	4	25	75	100
6	Part-IV	U3R4BCSEC1:1/1:2	Nutrition & Dietetics/ First-aid management	2	2	25	75	100
7		U3R4VE	Value Education	2	2	25	75	100
8	Part-V	U3R4HW	Health and wellness	1	2	-	-	100
Total				24	30	-	-	800

With
11/4/26

R. J. Ghosh
11/4/26

Ashmaul
11/09/26

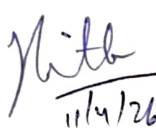
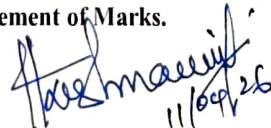
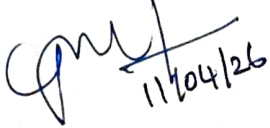
Pruthi
11/04/26

R. J. Ghosh
11/4/26

Semester IV								
1	Part-I	U4R4TL4/HL4/FL 4	Language-I (Tamil/Hindi/French)	3	5	25	75	100
2	Part-II	U4R4EL4	Language-II English	3	5	25	75	100
3	Part-III	U4R4BCCC7	Biotechnology	5	6	25	75	100
4		U4R4BCCC8P	Practical-IV(CoveringCC7)	5	5	40	60	100
5		U4R4BCAC6	Biostatistics	3	5	25	75	100
6	Part-IV	U4R4BCSEC2:1/2:2	Formulation of therapeutic and Cosmetic products/Medicinal diet	2	2	25	75	100
7		U4R4BCSLC1:1/1:2	Online Courses (SWAYAM/MOOC's/ NPTEL) / Bioinstrumentation	2	-	-	-	100
8		U4R4ES	Environmental Studies	2	2	25	75	100
Total				25	30	-	-	800
Semester V								
1	Part-III	U5R4BCCC9	Clinical Biochemistry	5	6	25	75	100
2		U5R4BCCC10	Intermediary Metabolism	4	6	25	75	100
3		U5R4BCCC11	Immunology	4	5	25	75	100
4		U5R4BCCC12P	Practical-V (CoveringCC9&CC11)	4	5	40	60	100
5		U5R4BCDSE1:1/1:2	Human Anatomy& Physiology/Tissue culture	3	5	25	75	100
6	Part-IV	U5R4BCINT*	Internship*	2	-	-	-	100
7		U5R4BCSEC3:1/3:2	Bioinformatics/Sports Nutrition	2	3	25	75	100
8		U5R4BCSLC2:1/2:2	Clinical Lab Management/Indian Traditional medicine	2	-	50	50	100
9		U5R4IDM	Introduction to Disaster Management	2	2	30	70	100
Total				28	30	-	-	900
Semester VI								
1	Part-III	U6R4BCCC13	Molecular Biology	4	5	25	75	100
2		U6R4BCCC14P	Practical-VI(CoveringCC13)	4	5	40	60	100
3		U6R4BCCC15PW	Project Work	4	6	-	-	100
4		U6R4BCDSE2:1/2:2	Endocrinology/Medical coding	3	5	25	75	100
5		U6R4BCDSE3:1/3:2	Plant & Animal Biochemistry / Biophysical studies	3	5	25	75	100
6	Part-IV	U6R4BCVAC	Mushroom Cultivation Technology	2	2	-	-	100
7		U6R4GS	Gender Studies	2	2	25	75	100
	Part-V	Extension Activity		1	-	-	-	-
Total				23	30	-	-	700
Grand Total				148				4600

*Internship during Semester-IV Summer Vacation. The Credits shall be awarded in Semester-V

Statement of Marks.

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