

**J.J. College of Arts and Science (Autonomous)**  
**Department of Biochemistry**

**Proposed Course Structure based on TANSCHÉ and UGC - LOCF**  
**(Choice Based Credit System)**

**(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)**

**B.Sc. Biochemistry - Semester I**

Sl.No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
<b>Semester I</b>								
1	Part - I	U1R3TL1/ HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U1R3EL1	Language - II (English)	3	6	25	75	100
3	Part - III	U1R3BCCC1	Biomolecules	5	5	25	75	100
4		U1R3BCCC2P	Practical - I Biomolecules	5	4	40	60	100
5		U1R3BCDSE1	Chemistry - I	3	5	25	75	100
6	Part - IV	U1R3BCSEC1 (NME)	To be opted from other Department	2	2	25	75	100
7		U1R3BCFC	Foundation Course	2	2	25	75	100
<b>Total</b>				<b>23</b>	<b>30</b>			<b>700</b>

**M.Sc. Biochemistry - Semester I**

Sl.No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
<b>Semester I</b>							
1	P1R3BCCC1	Basics of Biochemistry	5	6	25	75	100
2	P1R3BCCC2	Biochemical and Molecular Biology Techniques	5	6	25	75	100
3	P1R3BCCC3P	Practical - I Basics of Biochemistry and Biochemical and Molecular Biology Techniques	4	6	40	60	100
4	P1R3BCDSE1	Microbiology and Immunology	3	6	25	75	100
5	P1R3BCDSE2	Soft Skill - I	3	6	25	75	100
<b>Total</b>			<b>20</b>	<b>30</b>			<b>500</b>

*(Signature)*  
30/6/23

**Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,**  
**Assistant Professor and Head,**  
**Department of Biochemistry,**  
**J.J. College of Arts and Science (Autonomous),**  
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## J.J. College of Arts and Science (Autonomous)

### Department of Biochemistry

#### Proposed Course Structure based on TANSICHE and UGC - LOCF

#### (Choice Based Credit System)

(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)

#### B.Sc. Biochemistry - Semester II

Sl. No.	Course Category	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
						CIA	ESE	Total
<b>Semester II</b>								
1	Part - I	U2R3TL2/ HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U2R3EL2	Language - II (English)	3	6	25	75	100
3	Part - III	U2R3BCCC3	Cell Biology	5	5	25	75	100
4		U2R3BCCC4P	Practical II - (Covering CC3)	5	5	40	60	100
5		U2R3BCDSE2	Chemistry- II	3	4	25	75	100
6	Part - IV	U2R3BCSEC2 (NME2)	To be opted from other Department	2	2	25	75	100
7		U2R3BCSEC 3:1 / 3:2	Biomedical Instrumentation / First Aid	2	2	25	75	100
<b>Total</b>				<b>23</b>	<b>30</b>			<b>700</b>

#### M.Sc. Biochemistry - Semester II

Sl. No.	Course Code	Course	Overall Credits	Total Contact Hours/Week	Marks		
					CIA	ESE	Total
<b>Semester II</b>							
1	P2R3BCCC4	Enzymology	5	6	25	75	100
2	P2R3BCCC5	Cellular Metabolism	5	6	25	75	100
3	P2R3BCCC6P	Practical II - (Covering CC4, CC5)	4	6	40	60	100
4	P2R3BCDSE3	Biostatistics and Data Science	3	4	25	75	100
5	P2R3BCDSE4	Biosafety, Lab safety and IPR	3	4	25	75	100
6	P2R3BCSEC1	Bioinformatics	2	4	25	75	100
<b>Total</b>			<b>22</b>	<b>30</b>			<b>600</b>

**Principal**

**CDC - Director**

**IQAC Co-ordinator**

**Head of the Department**

**Dr. J. PARASURAMAN, M.A., M.B.A., M.Phil., B.Ed., Ph.D.**

**Dr. S. J. SATHISH AARON JOSEPH**

**Dr. P. Jeevan**

**Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,**

**PRINCIPAL**

**Director, Curriculum Development Cell (CDC)**

**Co-ordinator-IQAC**

**Assistant Professor and Head,**

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

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