

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. Botany

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	30	70	100
2	Part - II	U1R4EL1	Language – II (English)	3	6	30	70	100
3	Part - III	U1R4BOCC1	Plant Diversity – I Algae	5	5	30	70	100
4		U1R4BOCC 2P	Core Practical – I (Covering CC1)	5	5	40	60	100
5		U1R4BOAC 1	Allied Zoology	3	3	30	70	100
6		U1R4BOAC 2	Allied Chemistry - I	3	3	30	70	100
7	Part - IV	U1R4_GEC 1	To be opted from other Department	2	2	30	70	100
Total				24	30	-	-	700
Semester II								
1	Part - I	U2R4TL2/ HL2/FL2	Language – I (Tamil/Hindi/French)	3	6	30	70	100
2	Part - II	U2R4EL2	Language – II (English)	3	6	30	70	100
3	Part - III	U2R4BOCC 3	Plant Diversity – II Fungi, Bacteria, Virus, Plant Pathology and Lichens	5	5	30	70	100
4		U2R4BOCC 4P	Core Practical-II - (Covering CC3)	5	5	40	60	100
5		U2R4BOAC 3P	Allied Zoology Practical	3	3	40	60	100
6		U2R4BOAC 4P	Allied Chemistry Practical	3	3	40	60	100
7	Part - IV	U2R4GEC 2	To be opted from other Department	2	2	30	70	100
Total				24	30	-	-	700
Semester III								
1	Part - I	U3R4TL3/HL3/F L3	Language – I (Tamil/Hindi/French)	3	5	30	70	100
2	Part - II	U3R4EL 3	Language – II (English)	3	5	30	70	100
3	Part - III	U3R4BOCC 5	Plant Diversity – III : Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	5	5	30	70	100
4		U3R4BOCC 6P	Core Practical – III (Covering CC5)	5	5	40	60	100
5		U3R4BOAC 5	Allied Chemistry - II	3	4	30	70	100
6	Part - IV	U3R4BOSEC1:1 /1:2	1:1Herbal Technology 1:2 Entrepreneurial Opportunities in Botany	2	2	30	70	100
7		U3R4VE	Value Education	2	2	30	70	100
8	Part - V	U3R4HW	Health and Wellness	1	2	-	-	100
Total				24	30	-	-	800
Semester IV								
1	Part - I	U4R4TL4/HL4/FL 4	Language – I (Tamil/Hindi/French)	3	5	30	70	100
2	Part - II	U4R4EL4	Language – II (English)	3	5	30	70	100
3	Part - III	U4R4BOCC 7	Anatomy and Embryology of Angiosperms	5	6	30	70	100

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4		U4R4BOCC 8P	Core Practical – IV (Covering CC7)	5	5	40	60	100
5		U4R4BOAC 6P	Allied Chemistry Practical	3	5	40	60	100
6	Part - IV	U4R4BOSEC 2:1 / 2:2	2:1 Cultivation of Algae 2:2 Global Climate Changes.	2	2	30	70	100
7		U4R4BOSLC1	online Courses (SWAYAM-MOOC'S/SWAYAM plus/NPTEL/COURSERA)	2	-	-	-	100
8		U4R4ES	Environmental Studies	2	2	30	70	100
Total			25	30	-	-	800	
Semester V								
1	Part - III	U5R4BOCC 9	Plant Morphology, Taxonomy and Economic Botany	5	6	30	70	100
2		U5R4BOCC 10	Cell Biology, Molecular Genetics and Plant Breeding	4	6	30	70	100
3		U5R4BOCC 11	Plant Ecology and Phytogeography	4	5	30	70	100
4		U5R4BOCC 12P	Core Practical – V (Covering CC9,10,11)	4	5	40	60	100
5		U5R4BODSE 1:1 / 1:2	1:1 Plant Biotechnology 1:2 Forestry	3	5	30	70	100
6		Part - IV	U5R4BOINT	Internship*	2	-	-	-
7	U5R4BOSEC 3:1 / 3:2		3:1 Horticulture 3:2 Natural Resource Management	2	3	30	70	100
8	U5R4BOSLC 2:1 / 2:2		2:1 Mushroom Cultivation 2:2 Kitchen Medicine	2	-	50	50	100
9	U5R4IDM		Introduction to Disaster Management	2	-	30	70	100
Total			28	30	-	-	900	
Semester VI								
1	Part - III	U6R4BOCC 13	Plant Physiology and Biochemistry	4	5	30	70	100
2		U6R4BOCC 14P	Core Practical – VI (Covering CC13)	4	5	40	60	100
3		U6R4BOCC 15PW	Project Work	4	6	-	-	100
4		U6R4BODSE 2:1 / 2:2	2:1 Aquatic Botany 2:2 Computer Applications in Botany	3	5	30	70	100
5		U6R4BODSE 3:1 /3:2	3:1 Botany for Competitive Examinations 3:2 Enzyme Technology	3	5	30	70	100
6		Part - IV	U6R4BOVAC	Seed Technology and quality Control	2	2	-	-
7	U6R4GS		Gender Studies	2	2	30	70	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.

1. *U4R4BOCC 8P* 2. *U4R4BOCC 10* 3. *U4R4BOCC 11* 4. *U4R4BOCC 12P*