

## B.Sc. (Hons.) Botany LOCF Course

Semester	Core Course(14)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective: (DSE) (4)	Generic Elective: (GE) (4)
<b>I</b>	1. Microbiology and Phycology			GE-1 (Any one) 1. Biodiversity (Microbes, Fungi, Algae, and Archegoniatae)  2. Plant Anatomy and Embryology
	2. Biomolecules and Cell Biology			
<b>II</b>	3. Mycology and Phytopathology			GE-II 3. Plant Ecology and Taxonomy
	4. Archegoniatae			
<b>III</b>	5. Anatomy of Angiosperms	SEC-I (Any one) 1. Ethnobotany/ 2. Intellectual Property Rights 3. Plant Diversity and Human Welfare 4. Floriculture		GE-III (Any one) 4. Plant Physiology and Metabolism  5. Environmental Biotechnology
	6. Economic Botany			
	7. Genetics			
<b>IV</b>	8. Molecular Biology	SEC-II (Any one) 5. Biofertilizers 6. Medicinal Botany 7. Mushroom Culture and Technology 8. Nursery and Gardening		GE-IV Economic Botany and Biotechnology
	9. Ecology			
	10. Plant Systematics			
<b>V</b>	11. Reproductive Biology of Angiosperms		DSE-I 1. Analytical Techniques in Plant Sciences	
	12. Plant Physiology		DSE-II (any one) 2. Biostatistics 3. Natural Resource Management	
<b>VI</b>	13. Plant Metabolism		DSE-III 4. Industrial and Environmental Microbiology	
	14. Plant Biotechnology		DSE-IV 5. Bioinformatics 6. Plant Breeding	

## B.Sc. Life Sciences LOCF Course

Semester	Core Course	Skill Enhancement Courses SEC	Discipline Specific Elective DSE
I	Botany I: CC Biodiversity (Microbes, Algae, Fungi, and Archegoniatae)		
II	Botany II: CC Plant Ecology and Taxonomy		
III	Botany III: CC Plant Anatomy and Embryology	SEC –I  1. Biofertilizers	
IV	Botany IV: CC Plant Physiology and Metabolism	SEC –II  2. Medicinal Botany	
V		3. Ethnobotany	DSE-I Botany (Any one) 1. Cell and Molecular Biology 2. Bioinformatics
VI		4. Intellectual Property Right	DSE-II Botany (Any one) 3. Economic Botany and Biotechnology 4. Analytical Techniques in Plant Sciences

## B.Sc. (Applied Life Sciences) LOCF Course

Semester	Course opted	Course Name
I	Core course Botany –I	Biology of life forms: Plants Credits- L=4
	Core course Botany –I, Practical	Biology of life forms: Plants Credits-, P=2
II	Core course Botany –II	Agricultural Botany and Weed science Credits- L=4
	Core course Botany –II, Practical	Agricultural Botany and Weed science Credits- P=2
III	Core course Botany –III	Fundamentals of Plant Systematics and Ecology, Credits - L=4
	Core course Botany –III, Practical	Fundamentals of Plant Systematics and Ecology, Credits - P=2
	SEC -1	Medicinal Plants and IPR (Intellectual Property Rights)
IV	Core course Botany –IV	Developmental Biology: Plants Credits- L=4
	Core course Botany –IV, Practical	Developmental Biology: Plants Credits- P=2
	SEC -2	Plants Quarantine
V	Discipline Specific Elective Botany –I	Any two 1. Genetics and Plant Biotechnology 2. Plants regulators and Economic Botany 3. Dissertation
	Discipline Specific Elective Botany –I, Practical	
	SEC -3	Plant health diagnostics and Management
VI	Discipline Specific Elective Botany –II	Any two 1. Genetics and Plant Biotechnology 2. Plants regulators and Economic Botany 3. Dissertation
	Discipline Specific Elective Botany –II, Practical	
	SEC -4	Plants regulators and Economic Botany