

M. Sc Botany Equivalence 2013 to 2019

OLD Syllabus (2013 Pattern)			New Syllabus (CBCS 2019 Pattern)		
BO 1.1	Cryptogamic Botany I	(60 L)	BOUT 111	Botany Theory Paper 1-Plant Systematics I	4
BO 1.2	Biochemistry and Plant Physiology	(60 L)	BOUT 112	Botany Theory Paper 2- Cell Biology and Evolution	4
BO 1.3	Genetics and Plant Breeding	(60 L)	BOUT 113	Botany Theory Paper 3- Cytogenetics and Plant Breeding	4
BO 1.4	Botanical Techniques	(60 L)	BODT 114	Botany Theory Paper 4- a) Biofertilizer and Algal Technology OR b) Pomoculture and Fruit Processing Technology	2
BO 1.5	Practical based on BO 1.1 and BO 1.4		BODP 114	Botany Practical Paper 4-based on BO 114	2
BO 1.6	Practical based on BO 1.2 and BO 1.3		BOUP 115	Botany Practical Paper based on BOUT 111, BOUT 112 and BOUT 113	4
BO 2.1	Cryptogamic Botany II	(60 L)	BOUT 121	Botany Theory Paper 1-Plant Systematics II	4
BO 2.2	Cell Biology and Evolution	(60 L)	BOUT 122	Botany Theory Paper 2- Molecular Biology	4
BO 2.3	Molecular Biology and Genetic Engineering	(60 L)	BOUT 123	Botany Theory Paper 3- Biochemistry	4
BO 2.4	Plant ecology and Phytogeography	(60 L)	BODT 124	Botany Theory Paper 4- a. Floriculture and Nursery Management OR b. Mushroom Cultivation and Biopesticide Technology	2

BO 2.5	Practical based on BO 2.1 and BO	2.2	BODP 124	Botany Practical paper 4- based on BODP 124	2
BO 2.6	Practical based on BO 2.3 and BO 2.4		BOUP 125	Botany Practical paper based on BOUT 121, BOUT 122 and BOUT 123	4
BO 3.1	Spermatophytic Botany	(60 L)	BOUT 231	Botany Theory Paper 1- Computational Botany	4
BO 3.2	Developmental Botany and Palynology	(60 L)	BOUT 232	Botany Theory Paper 2- Developmental Botany	4
BO 3.3	Industrial Botany I	(60 L)	BOUT 233	Botany Theory Paper 3- Plant Physiology	4
Bo 3.4 Special Paper I	(Any One Special Paper) A. Advanced Mycology B. Advanced Angiosperm C. Advanced Physiology D. Advanced Genetics and Molecular Biology E. Advanced Biotechnology F. Advanced Medicinal Botany G. Advanced Environmental Botany H. Advanced Seed technology and Plant Breeding I. Advanced Horticulture and Floriculture	(60 L)	BODT 234 (Any one)	Botany Theory Paper 4 a. Mycology b. Angiosperm Taxonomyc. Plant Ecology d. Plant Biotechnology e. Genetics and Plant breeding f. Seed science	2
BO 3.6	Practicals based on special paper		BODP 234	Botany Practical Paper based on BODT 234	2
BO 3.5	Practicals Based on Bo 3.1, 3.2		BOUP 235	Botany Practical Paper based on	4

	and 3.3			BOUT 231, BOUT 232, BOUT 233	
BO 4.1	Computational Botany	(60 L)	BOUT 241	Botany Theory Paper 1- Botanical Techniques	4
BO 4.2	Plant Pathology and Plant Protection	(60 L)	BOUT 242	Botany Theory Paper 2- Advanced Ecology	4
BO 4.3	Industrial Botany II	(60 L)	BODT 243 (Any one)	Botany Theory Paper 3- a) Applied Mycology b) Advanced Medicinal Botany c) Advanced Plant Physiology d) Industrial Biotechnology e) Seed Technology	2
BO 4.4	Practicals Based on 4.1 and 4.2		BODP 243	Botany Practical paper based on BODT 243	2
BO 4.5	A. Practicals based on BO 4.3 (2 cr) B. Review of literature and its presentation (Other than special paper on some advanced techniques in Botany) (1.5 cr) C. Summer training report submission (Institute and Industries) (1.5 cr)		BODT 244 (Any one)	Botany Theory Paper 4- a) Plant Tissue culture Technology b) Herbal Technology c) Research Methodology Botany Practical Paper based on BODT 244 Or PG Dissertation	2 2
BO 4.6 (5 cr)	Project Report submission based on special paper selected in Semester III		BOUP 245	Botany Practical paper based on BOUT 241 and BOUT 242	4

Bm