

Outline of semester-wise papers with titles in B.Sc. (Botany) Four Year Program					
Year	Semester	Course Code	Paper Title	Theory/ Practical	Credits
FIRST YEAR	I	B040101T	Microbiology & Plant Pathology	Theory	4+0
		B040102P	Techniques in Microbiology & Plant Pathology	Practical	0+2
	II	B040201T	Archegoniates & Plant Architecture	Theory	4+0
		B040202P	Land Plants Architecture	Practical	0+2
SECOND YEAR	III	B040301T	Flowering Plants Identification & Aesthetic Characteristics	Theory	4+0
		B040302P	Plant Identification Technology	Practical	0+2
	IV	B040401T	Economic Botany, Ethnomedicine & Phytochemistry	Theory	4+0
		B040402P	Commercial Botany & Phytochemical Analysis	Practical	0+2
THIRD YEAR	V	B040501T	Plant Physiology, Metabolism & Biochemistry	Theory	4+0
		B040502T	Molecular Biology & Bioinformatics	Theory	4+0
		B040503P	Experiments in Physiology, Biochemistry & Molecular Biology	Practical	0+2
	VI	B040601T	Cytogenetics, Plant Breeding & Nanotechnology	Theory	4+0
		B040602T	Ecology and Conservation Biology	Theory	4+0
		B040603P	Cytogenetics, Conservation & Environment Management	Practical	0+2
		B040604R	Minor Project	Practical (Research)	0+4
		<b>BOTANY HONOURS COURSE</b>			
FOURTH YEAR	VII	B040701T	Applied Microbiology	Theory	4+0
		B040702T	Trends in Plant Sciences	Theory	4+0
		B040703T	Techniques and Instrumentation	Theory	4+0
		B040704P	Applications & Techniques in Microbial and Plant Sciences	Practical	0+4
		*B040705Ta	Environmental Awareness and Ethics	Theory	4+0
		*B040705Tb	Plant Systematics	Theory	4+0
		*B040705Tc	Conservation Biology	Theory	4+0
	VIII	B040801T	Biofertilizers and Biopesticides	Theory	4+0
		B040802T	Nursery and Gardening	Theory	4+0
		B040803T	Mushroom Cultivation	Theory	4+0
		B040804T	Landscaping Floriculture	Theory	4+0
		B040805P	Practical based on B040801T to B040804T	Practical	0+4
		<b>BOTANY HONOURS COURSE WITH RESEARCH (For Students who secured 75% or above marks in first six semesters)</b>			
	VII	B040701T	Applied Microbiology	Theory	4+0
		B040702T	Trends in Plant Sciences	Theory	4+0
		B040703T	Techniques and Instrumentation	Theory	4+0
		B040704P	Applications & Techniques in Microbial and Plant Sciences	Practical	0+4
		*B040705Ta	Environmental Awareness and Ethics	Theory	4+0
		*B040705Tb	Plant Systematics	Theory	4+0
		*B040705Tc	Conservation Biology	Theory	4+0
	VIII	B040801RM	Research Methodology	Theory	4+0
		B040802R	Major Research Project/Dissertation	Practical (Research)	16

\*Elective paper: Choose any one among B040705Ta, B040705Tb and UBOT705Tc