

COURSE CURRICULUM FRAMEWORK UNDER AUTONOMY

Program: BSc

Department: Botany

Semester 1		
Course code	Course Title	Credits
SBOT101	Algae, Fungi & Lichens Algae Fungi Lichens	2
SBOT102	Genetics, Ecology and Industrial Botany Genetics Ecology Industrial Botany	2
SBOT1PR	Practicals in Paper 1 and Paper 2	2

Semester 2		
Course code	Course Title	Credits
SBOT201	Bryophyta, Pteridophyta, Phanerogams Bryophyta Pteridophyta Phanerogams	2
SBOT202	Anatomy, Physiology and Ethnobotany Anatomy Physiology Ethnobotany	2
SBOT2PR	Practicals in Paper 1 and Paper 2	2

Semester 3		
Course code	Course Title	Credits
SBOT301	Algae, Fungi & Palaeobotany Algae Fungi Palaeobotany	3
SBOT302	Instrumentation, Cytology & Molecular Biology Instrumentation Cytology Molecular Biology	3
SBOT303	Pharmacognosy Forestry Economic Botany	3
SBOT3PR	Practicals in Paper 1, Paper 2 & Paper 3	2.5

Semester 4		
Course code	Course Title	Credits
SBOT401	Bryophyta, Pteridophyta, Gymnosperms & Angiosperms Bryophyta and Pteridophyta, Gymnosperms Angiosperms	3
SBOT402	Anatomy, Plant physiology & Environmental Botany Anatomy Plant physiology Environmental Botany	3
SBOT403	Plant Tissue Culture, Molecular Biology & Research Methodology Plant Tissue Culture Molecular Biology Research Methodology	3
SBOT4PR	Practicals in Paper 1, Paper 2 & Paper 3	2.5

Semester 5		
Course code	Course Title	Credits
SBOT501	Microbiology, Algae, Fungi & Plant pathology, Bryophyta Microbiology Algae Fungi & Plant pathology Bryophyta	4
SBOT502	Angiosperms, Anatomy, Palynology, Embryology Angiosperms Anatomy Palynology Embryology	4
SBOT503	Cytology & Molecular Biology, Physiology, Secondary metabolites, Environmental Botany Cytology & Molecular Biology Physiology Secondary metabolites Environmental Botany	4
SBOT 504	Instrumentation, Biotechnology I, Biotechnology II, Plant Tissue Culture Instrumentation Biotechnology I Biotechnology II Plant Tissue Culture	4
SBOT5PR1	Practicals in Paper 1 and Paper 2	4
SBOT5PR2	Practicals in Paper 3 and Paper 4	4
SBOT5AC	Horticulture and Gardening I Introduction to Horticulture Propagation Practices Fertilizers, Manures, Pests and Diseases Garden Operations for Horticulture	2.5
SBOT5ACPR	Practicals in Horticulture and Gardening I	2.5

Semester 6		
Course code	Course Title	Credits
SBOT601	Pteridophyta, Gymnosperms, Taxonomy & Anatomy Pteridophyta Gymnosperms Taxonomy Anatomy	4
SBOT602	Physiology, Genetics, Biodiversity & Evolution Physiology Genetics Biodiversity Evolution	4
SBOT603	Pharmacognosy, Biochemistry, Transgenic plants & Economic Botany Pharmacognosy Biochemistry Transgenic plants Economic Botany	4
SBOT 604	Bioinformatics Quality Control IPR Food Adulteration	4
SBOT6PR1	Practicals in Paper 1 and Paper 2	4
SBOT6PR2	Practicals in Paper 3 and Paper 4	4
SBOT6AC	Horticulture and Gardening II Landscape Gardening Commercial production Horticultural Produce and Entrepreneurship Fruit and Vegetable Preservation techniques	2.5
SBOT6ACPR	Practicals in Horticulture and Gardening II	2.5