

**Department of Botany  
Program Structure NEP 2**

<b>Semester</b>	<b>Vertical No. &amp; Name</b>	<b>Name of subject</b>	<b>Subject Code</b>	<b>T/P</b>	<b>Credit</b>
<b>1 FYBSc</b>	<b>Botany</b>	Insights into Phytodiversity	24 BOT 11101	T	2
	<b>Botany</b>	Practical in Insights into Phytodiversity	24 BOT 11102	P	2
	SEC	Mushroom Technology	24 BOT 11401	P	2
<b>2 FYBSC</b>	<b>Botany</b>	Fundamentals of Plant Morphology	24 BOT 12101	T	2
	<b>Botany</b>	Practical in Fundamentals of Plant Morphology	24 BOT 12102	P	2
	SEC	Fundamentals of Bioprospecting	24 BOT 12401	P	2
<b>3 SYBSc</b>	Major DSC	Plant Taxonomy and Ecology	24 BOT 23101	T	2
		Plant Biotechnology	24 BOT 23102	T	2
		Practical Course in Taxonomy, Ecology and Biotechnology	24 BOT 23103	P	2
	Major specific IKS	Basics of Ethnobotany	24 BOT 23104	T	2
	Minor	Biology of Cells and Molecules	24 BOT 23205	P	2
		Practical in Biology of Cells and Molecules	24 BOT 23206	P	2
	VSEC	Practical Course on Basic skills in Gardening and Nursery Management	24 BOT 23408	P	2
	FP1		24BOT23608	P	2
<b>4 SYBSc</b>	Major DSC	Biology of Cells and Molecules	24 BOT 24101	T	2
		Essentials of Plant Physiology	24 BOT 24102	T	2
		Practical Course in Plant Physiology, Cell and Molecular biology	24 BOT 24103	P	2
	Minor	Ecological Restoration and Conservation	24 BOT 24204	T	2
		Practical Course in Ecological Restoration and Conservation	24 BOT 24205	P	2
	VSEC	Practical Course on Field Techniques in plant identification and classification	24 BOT 24407	P	2

	SEC	Practical Course on Basics of Phytochemistry	24 BOT 24408	P	2
	CEP		24BOT24608	P	2
<b>5 TYBSc</b>	Major DSC	Advances of Plant Physiology	24BOT35101	T	2
		Biochemistry	24BOT35102	T	2
	Major DSC	Plant anatomy	24BOT35103	T	2
		Reproductive biology of Angiosperms	24BOT35104	T	2
		Practical based on Major subjects(24BOT35101, 24BOT35102)	24BOT35105	P	2
		Practical based on major subjects (24BOT35103, 24BOT35104)	24BOT35106	P	2
	DSE	Biostatistics, Bioinformatics and computational Botany	24BOT35107	T	2
		Practical based on DSE	24BOT35108	P	2
	Minor	Plant Anatomy and Embryology	24BOT35209	T	2
	VSEC	Fruit and vegetable processing and preservation	24BOT35410	P	2
	FP2		24BOT35611	P	2
<b>6 TYBSc</b>	Major	Applied Mycology	24BOT36101	T	4
		Plant Pathology	24BOT36102		
	Major	Genetics	24BOT36103	T	4
		Plant Breeding and Seed technology	24BOT36104		
		Practical on Major subjects (24BOT36101, 24BOT36102)	24BOT36105	P	4
		Practical on Major subjects (24BOT36103, 24BOT36104)	24BOT36106		
	DSE	Pharmacognosy	24BOT36107	T	2
		Practical based on Elective subject	24BOT36108	P	2
	VSEC	Home gardening	24BOT36409	P	2
	OJT		24BOT36610	P	4
FYBCom SemII	OE	Basic skills in Gardening and Nursery Management	24BOT12303	T	2
SYBA Sem IV	OE	Basics in Floriculture	24BOT24306	T	2