

	ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
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**Model Syllabus for 4-Year UG Honours in B.Sc. (Botany) as Major in consonance
with Curriculum framework w.e.f. AY 2025-26**

COURSE STRUCTURE (for Semester I to VI)

Year	Semester	Course	Title of the Course	No. of Hrs /Week	No. of Credits
I	I	1	Diversity of Microbes	3	3
			Diversity of Microbes -Practical	2	1
		2	Diversity of Thallophytes	3	3
			Diversity of Thallophytes -Practical	2	1
	II	3	Diversity of Archegoniates	3	3
			Diversity of Archegoniates -Practical	2	1
		4	Anatomy and Embryology of Angiosperms	3	3
			Anatomy and Embryology of Angiosperms - Practical	2	1
II	III	5	Morphology and Taxonomy of Angiosperms	3	3
			Morphology and Taxonomy of Angiosperms - Practical	2	1
		6	Plant resources and Utilization	3	3
			Plant resources and Utilization -Practical	2	1
		7	Plant Ecology, Biodiversity and Phytogeography	3	3
			Plant Ecology, Biodiversity and Phytogeography -Practical	2	1
	IV	8	Cell and Molecular biology	3	3
			Cell and Molecular biology -Practical	2	1
		9	Genetics and Plant breeding	3	3
			Genetics and Plant breeding -Practical	2	1
		10	Plant Physiology and Metabolism	3	3
			Plant Physiology and Metabolism -Practical	2	1
III	V	11	Plant Biotechnology	3	3
			Plant Biotechnology -Practical	2	1

Year	Semester	Course	Title of the Course	No. of Hrs /Week	No. of Credits
		12 A	Ethnobotany and Phytomedicines	3	3
			Ethnobotany and Phytomedicines -Practical	2	1
		OR			
		12 B	Bioinstrumentation Techniques	3	3
			Bioinstrumentation Techniques -Practical	2	1
		OR			
		12 C	Concepts of Horticulture	3	3
			Concepts of Horticulture-Practical	2	1
		13 A	Traditional Systems of Medicine	3	3
			Traditional Systems of Medicine -Practical	2	1
		OR			
		13 B	Plant Genetic Engineering	3	3
			Plant Genetic Engineering-Practical	2	1
		OR			
		13 C	Gardening and Landscaping	3	3
			Gardening and Landscaping-Practical	2	1
	VI	14 A	Herbal Technology	3	3
			Herbal Technology-Practical	2	1
		OR			
		14 B	Bioinformatics and Computational Biology	3	3
			Bioinformatics and Computational Biology-Practical	2	1
		OR			
		14 C	Plant Propagation Techniques	3	3
			Plant Propagation Techniques-Practical	2	1
		15 A	Pharmacognosy and Phytochemistry	3	3
			Pharmacognosy and Phytochemistry-Practical	2	1
		OR			
		15 B	Omics in Plant Sciences	3	3
			Omics in Plant Sciences-Practical	2	1
		OR			
		15 C	Ornamental Horticulture and Commercial Floriculture	3	3
			Ornamental Horticulture and Commercial	2	1



Year	Semester	Course	Title of the Course	No. of Hrs /Week	No. of Credits
			Floriculture-Practical		