Course outcomes of P.G. Botany

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1	PSBOTC101	Principles of Microbiology	CO1: Familiarizing the students with the diversity exhibited by microbes.CO2: Apprising students of structural, reproductive and economic aspects of bacteria and viruses.
2	PSBOTC102	Diversity and Evolution of Algae and Bryophytes	 CO1: Acquainting the students with the morphological and evolutionary details of diverse algal species. CO2: Making students comprehend biology, diversity and economic aspects of Bryophytes, the amphibians of plant kingdom.
3	PSBOTC103	Cytology, Genetics and Cytogenetics	 CO1: Equipping the student with knowledge of structure of genetic material and principles of heredity. CO2: Developing skills for utilising information gained on cytological and genetic features for designing breeding experiments.
4	PSBOTC104	Plant Anatomy	 CO1: Engaging the students to understand internal basic architecture and cellular composition of plant body. CO2: Acquainting students with development, anatomy and functions performed by specific organs of monocot and dicot taxa.
5	PSBOPC105	Based on PSBOTC101 & PSBOTC102	 CO1: Deals with all microbes and the technologies for their effective uses in industry. CO2: Utilising microbes for mitigation of environmental problems.
6	PSBOPC106	Based on PSBOTC103 & PSBOTC104	 CO1:Developing analytical skills by studying chromosomal details, working out genetic based problems and using data for explaining different principles. CO2: Making students understand anatomical aspects of different plant parts, their patterns of development and analysis of wood qualitatively.
1	PSBOTC201	Cell and Molecular Biology of Plants	 Semester 2 CO1: Imparting students knowledge regarding the structural and functional aspects of cell and organelles at micro- and macro-molecular level. CO2: Analysing fine structure of gene and gene expression in pro- and eukaryotes, importance of macromolecules in all the fundamental activities of a cell and ultimately life.
2	PSBOTC202	Diversity and Evolution of Pteridophytes and Gymnosperms	CO1: Unfolding the diversity, structural and biological details of Pteridophytes and Gymnosperms.CO2: Highlighting the advances made in their

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			phylogeny.
3	PSBOTC203	Taxonomy and	CO1: Deals with naming and classification of plants
5		Systematics of	along with their evolutionary relationships which
		Angiosperms	form backbone of biodiversity studies.
		Anglosperms	CO2: Learning about the specific habitat conditions and
			distribution of different taxa which is critical for
4	PSBOTC204	Embralogy and	their perpetual existence. CO1:Imparting the students knowledge on plant
4	rsb01C204	Embryology and Reproduction in	
		Flowering Plants	
			structure.
			CO2: Highlighting classical and experimental
			approaches for understanding sporogenesis,
			gametogenesis, fertilization, embryogenesis and
			seed development.
5	PSBOTC205	Based on PSBOTC201	CO1: Giving students an insight into ultra structure of
	1	& PSBOTC204	DNA, RNA and proteins and different sub-
			cellular organelles.
			CO2: Developing in students ability to determine
			breeding systems and reproductive modes in
			different plant groups by experimentation.
6	PSBOTC206	Based on PSBOTC202	CO1: Making students understand biology of diverse
		& PSBOTC203	species of Pteridophytes and Gymnosperms and
			identify them using specific morphological traits.
			CO2: Inculcating ability to study different species of angiosperms in field and laboratory, followed by
			their naming and classification.
	SEMESTER III		
1	PSBOTC301	Plant Physiology and	CO1: Making students understand role of enzymes,
		Metabolism	molecular signals and hormones and cross-talk
			between these for regulating various activities.
			CO2: Understanding mechanisms leading to water and
			mineral absorption, solute transport,
			photosynthesis, respiration, nitrogen and sulphur
			metabolism.
2	PSBOTC302	Plant Breeding and	CO1: Imparting students knowledge regarding
		Biostatistics	breeding techniques for higher and quality yield.
			CO2: Engaging the students for designing biological
			experiments, analyzing and interpreting the data
			generated.
3	PSBOTC303	Plant Resource	CO1: Enhancing the knowledge of students about the
	1.201.0000	Utilization and	important plant resources and their sustainable
		Conservation	utilization.
2.1			CO2: Providing information about the origin and
			domestication of important plant taxa.
4	PSBOTC304	Plant Propagation	CO1: Acquainting students with vegetative and in vitro
-	100010004	Trant Tropagation	practices used for growing and maintaining
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			important taxa.
			CO2: Preparing students for establishing their plant resource based business units.
	PSBOTC305	Ecology and	CO1: Making students understand abiotic and biotic
		Environmental Biology	components of ecosystems and their interactions,
			extent of biodiversity prevalent and its
			, president and its
		이 이번에서 가슴을 걸렸어.	management using various conservation approaches.
		. 영영 김 이렇는 것 같은 것 같아요?	
			CO2: Assessing various ecological issues affecting
6	PSBOTC306	Based on PSBOTC301	environment and finding ways to mitigate these.
U	150010500		CO1: Developing in students understanding about
		& PSBOTC305	plant-water-mineral relations, photosynthetic and
			respiratory pathways and mechanisms developed
			by plants to overcome stress.
			CO2: Acquainting students with biotic responses to
			different environmental factors, types of pollution
			and significance of indicator species.
7	PSBOTC307	Based on PSBOTC302 &	CO1: Developing in students capability of collecting,
		PSBOTC303	analysing and interpreting data using statistical
			tools.
		이 이 것 같아. 이 가는 상품	CO2: Providing students insight about plant diversity
			analysis and its conservation, cultivation practices
			of important pulses, spices, condiments and dye-
			yielding plants.
		S	EMESTER IV
1	PSBODC401	Dissertation/Project	CO1: Exposing the students to handling of research
		Work	problems, making them capable of proposing a
			hypothesis, planning, designing and executing the
			experiments to finally managing and interpreting
			the data, and drawing inferences. Each student
			compiles a dissertation on a topic mutually agreed
			between him/her and a faculty member, who acts
			as a mentor.
2	PSBOTC402	Mycology And Plant	CO1. Equipping students it did to be the
5	150010402	Pathology And Flant	CO1: Equipping students with the knowledge of various
		Tathology	plant diseases caused by different pathogens,
		성 문지 같은 것 같은 것을 받았는 것이다.	means of their entry in plants and defence system
		가장, 가장, 것, 가지, 가지, 가지, 가지, 가지, 가지, 것이 있는 것	of plants.
			CO2: Making students know pre- and post harvest
			losses and methods adopted for their
2	DODOT		management.
3	PSBOTC403	Genetic Engineering and	CO1: Making students knowledgeable about the
		Plant Tissue Culture	methods involved in modifying and
			manipulating genes within and between species,
			creating new medicines, producing disease
			resistant plants and diagnosing human diseases.

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			CO2: Developing skills of in-vitro culturing of plants for mass multiplication and production of haploid and virus-free plants.
4	PSBOTC404	Based on PSBOTC402 & PSBOTC403	CO1: Learning about the pathogenic aspects of various groups of fungi, their disease cycles and control measures.
			CO2: Gaining knowledge about sterile techniques employed for isolation of microbes in pure culture and their identification.

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