



Parvatibai Chowgule College of Arts and Science
(Autonomous)

Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award

DEPARTMENT OF BOTANY

SYLLABUS FOR THREE/FOUR YEAR
UNDERGRADUATE DEGREE HONOURS
COURSE STRUCTURE

B.Sc. Botany

(Implemented from the Academic Year 2023-2024
onwards)

COURSE STRUCTURE

SEMESTER	MAJOR (4 credits/course)	MINOR/ VOCATIONAL (4 credits/course)	MDC (3credits/course)	SEC (3 credits/course)
I	UG-BOT-101 Diversity of Lower Plants (Microbes, Algae, Fungi)	UG-BOT-101 Diversity of Lower Plants (Microbes, Algae, Fungi)- (Minor same as major)	UG-BOT-MDC 1 Plant Animal Interaction	UG-BOT- SEC 1 Basics in Horticulture
II	UG-BOT-102 Cell Biology and Biomolecules	UG-BOT-102 Cell Biology and Biomolecules- (Minor same as major)	UG-BOT-MDC 2 Ethno botanical Concept	UG-BOT-SEC 2 Algal Biotechnology
III	UG-BOT-201 Diversity of Lower Plants II (Bryophytes, Pteridophytes, Gymnosperms) UG-BOT-202 Economic Botany	UG-BOT-203 Plant pathology	UG-BOT-MDC 3 Evolutionary biology	UG-BOT-SEC 3 Microbiology
IV	UG-BOT-204 Plant Anatomy UG-BOT-205 Cytogenetics UG-BOT-206 Plant breeding and Biostatistics UG-BOT-207 Ecology and conservation	UG-BOT-VOC 1 Horticulture, Floriculture & Landscaping		
V	UG-BOT-301 Plant Physiology UG-BOT-302 Systematics of flowering plants UG-BOT-303 Techniques and Instrumentation	UG-BOT-VOC 2 Herbal Cosmetology		
VI	UG-BOT-305 Plant Genetic engineering UG-BOT-306 Plant Molecular biology UG-BOT-307	UG-BOT-VOC 3 Applied Mycology		

	Plant tissue culture			
	UG-BOT-PRJ: Minor Project			
VII	UG-BOT-401 Plant Drug Technology and Pharmacognosy	UG-BOT-405 Ethno botanical Concept		
	UG-BOT-402 Bioinformatics			
	UG-BOT-403 Enzymes and Molecular pathways			
	UG-BOT-404 Organic Farming			
VIII	UG-BOT-406 Plant Biotechnology	UG-BOT-410 Bioresource Management		
	UG-BOT-407 Plant Embryology			
	UG-BOT-408 Plant Biochemistry			
	UG-BOT-409 Industrial Botany			