

Semester Lecture Plan (Theory)

Name of the college: Government College of Arts, Science and Commerce, Sanquelim							
Name of Faculty: Dr. Tanvi Nitin Prabhu			Subject: Botany				
Paper code: BOT 141			Program/Course: B.Sc (Botany)			Division: A	
Academic Year: 2025-26			Semester: I			Total Lectures: 15	
Course Objectives: This course aims to increase the understanding about the different types of gardens, their features and routine operations in nursery management and gardening. The practical component of this course aims to impart skill in designing a plant nursery, different types gardens, cultivation practices to be followed in operating a plant nursery and garden.							
Expected Course Outcome: On completion of the course, students will be able to • Explain the objective and scope of a plant nursery and garden. • Describe the different types of gardens and their features. • Analyze the different routine operations in nursery management and gardening. • Develop skills in designing a plant nursery and different types of gardens, routine operations in gardening and nursery management, cultivation practices for entrepreneurial opportunities.							
Student Learning Outcome: •							
Month	Lectures		No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
	From:	To:					
June 2025	24.06.2025	28.06.2025	01	Module 1: Plant nursery, gardens and their management		PowerPoint presentation	
June 2025- July 2025	30.06.2025	05.07.2025	01	Definition, objectives and scope of a plant nursery and garden.		PowerPoint presentation	
July 2025	07.07.2025	12.07.2025	01	Plant nursery layout, infrastructure, planning and seasonal activities; marketing challenges.		PowerPoint presentation	

July 2025	14.07.2025	19.07.2025	01	Plant nursery layout, infrastructure, planning and seasonal activities; marketing challenges.		PowerPoint presentation	
July 2025	21.07.2025	26.07.2025	01	Different types of gardens and their design: indoor garden (gardening in window boxes, tubs, troughs, trays and hanging baskets; vertical garden; terrarium; bonsai) and outdoor garden.		PowerPoint presentation	
July 2025 – August 2025	28.07.2025	02.08.2025	01	Different types of gardens and their design: indoor garden (gardening in window boxes, tubs, troughs, trays and hanging baskets; vertical garden; terrarium; bonsai) and outdoor garden.		PowerPoint presentation	
August 2025	04.08.2025	09.08.2025	01	ISA 1 (Assignment) Different types of gardens and their design: indoor garden (gardening in window boxes, tubs, troughs, trays and hanging baskets; vertical garden; terrarium; bonsai) and outdoor garden.		PowerPoint presentation	Courtier, J and Clarke, G(1997). Indoor plants: The Essential Guide to Choosing and Caring for Houseplants. Reader's Digest, New York.
August 2025	11.08.2025	16.08.2025	01	Outdoor garden (lands cape, avenue plantation, park, rock garden, water garden, terrace garden and kitchen garden).		PowerPoint presentation	
August 2025	18.08.2025	23.08.2025	01	Outdoor garden (lands cape, avenue plantation, park, rock garden, water garden, terrace garden and kitchen garden).		PowerPoint presentation	
September 2025	01.09.2025	06.09.2025	01	Features of a garden (fence, hedge, edge, steps, drives and paths; arches, pergolas, lawns, carpet bed, flower bed, shrubbery, border, topiary, plant supports, garden adornments).		PowerPoint presentation	
September 2025	08.09.2025	13.09.2025	01	Features of a garden (fence, hedge, edge, steps, drives and paths; arches, pergolas, lawns, carpet bed, flower bed, shrubbery, border, topiary, plant supports, garden adornments).		PowerPoint presentation	
September 2025	15.09.2025	20.09.2025	01	Features of a garden (fence, hedge, edge, steps, drives and paths; arches, pergolas, lawns, carpet bed, flower bed, shrubbery, border, topiary, plant supports, garden		PowerPoint presentation	

				adornments).			
September 2025	22.09.2025	27.09.2025	01	Preparation of soil, methods of breaking seed dormancy		PowerPoint presentation	Agrawal, PK (1993). Hand Book of Seed Technology. Department of Agriculture and Cooperation, National Seed Corporation Ltd., New Delhi.
September 2025 – October 2025	29.09.2025	04.10.2025	01	Planting (direct seeding and transplanting), hardening, irrigation, manuring, staking, pinching, pruning and defoliation.		PowerPoint presentation	
October 2025	06.10.2025	11.10.2025	01	ISA 02		PowerPoint presentation	
October 2025	13.10.2025	18.10.2025	01	Irrigation, manuring, staking, pinching, pruning and defoliation; management of pests and diseases.		PowerPoint presentation	

Assessment Rubrics

Component	Max Marks
ISA 1	5
ISA 2	5
Practical	40
Project	NA
Semester End Exam	20