

As Per NEP 2020

University of Mumbai



Syllabus for Basket of OE	
Board of Studies in Botany	
UG First Year Programme	
Semester	II
Title of Paper	Credits 2/ 4
I) Garden Designing and Nursery Management (OE)	
II)	
III)	
From the Academic Year	2024-25

Name of the Course: Garden Designing and Nursery Management

SEMESTER II		
Sr. No.	Heading	Particulars
1	Description of the course: Including but not limited to:	Introduction, relevance, usefulness and practical application of allied subjects related to Botany required to cater for self-employment. The main objective of “Garden Designing and Nursery Management” is to enable learner to understand about Garden designing, and other aspects of gardening. The course enlightens the learners about management, importance and establishment of Plant Nursery. The course will promote the comprehension, knowledge, and skills of the learner to get employment or to become an entrepreneur.
2	Vertical:	Open Elective
3	Type	Theory
4	Credit:	2 credits (1 credit = 15 Hours for Theory)
5	Hours Allotted:	30 Hours
6	Marks Allotted:	50 Marks
7	Course Objectives: To enable learners: 1. Identify different types of gardens. 2. Understand key features of garden designing. 3. Gain knowledge about garden tools and maintenance. 4. Establish commercial plant nursery. 5. Develop entrepreneurial skills of commercialization of nursery production.	
8	Course Outcomes: Learners will be able to: 1. Differentiate between different types of gardens. 2. Design garden plan and layout. 3. Utilise garden tools and maintain garden. 4. Practice principles of propagation and nursery management 5. Commercialize nursery products.	

9	Modules: -	
	Module 1: Garden Designing -15 lecture	
	1. Definition and types of garden (Formal and Informal Garden).	3 lectures
	2. Garden features.	3 lectures
	3. Garden designing.	3 lectures
	4. Garden maintenance.	3 lectures
	5. Types of tools used in gardening.	3 lectures
	Module 2: Nursery management	
	1. Introduction to Plant Nursery.	3 lectures
	2. Nursery setup and methods of propagation of Nursery plants.	3 lectures
	3. Nursery maintenance and management techniques.	3 lectures
	4. Introduction to Poly house and Greenhouse.	3 lectures
	5. Marketing of Nursery plants.	3 lectures
	Textbooks:	
	1. Gardener's Guide to Gardening Tools A Primer on Garden and Lawn Equipment By Paul R. Wanning.	
	2. Plant Propagation & Nursery Management - R.R. Sharma & Manish Shrivastav.	
	3. Arora, J.S. (1990). Introductory Ornamental Horticulture. Kalyani Publishers.	
	4. Pant V, Nelson. 1991. Green House Operation and Management. Bali Publ.	
	5. Dr. Arun Kumar Singh and Abhinav Kumar (2020). Propagation and nursery management.	
10	6. Edmond Musser & Andres, Fundamentals of Horticulture, McGraw Hill Book Co., New Delhi.	
	7. Biswas T D and Mukherjee S K. Text Book of Soil Science by, Tata Mc Graw Hill Publishing Company Limited.	
	Reference Books:	
	1. Barton West R, 1999. Practical Gardening in India. Discovery Pub. House, New Delhi).	
	2. Adams C R, Early M P, 2004. Principles of Horticulture. Elsevier, N. Delhi.	
	3. B.S. Chundawat (2017). Plant propagation and nursery management.	
11	Internal Continuous Assessment: 40% Marks 20	Semester End Examination: 60% Marks 30
	Field Report, Assignments, Class test, Presentation and Quiz	3 Questions out of 6 (10 marks each)

Sign of the BOS
Chairman
Dr. Vasant P. Mali
BOS in Botany

Sign of the Offg. Associate
Dean
Dr. Madhav R. Rajwade
Faculty of Science &
Technology

Sign of the
Offg. Dean
Prof. Shivram S. Garje
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Technology