AC – 20/04/2024
Item No. – 6.6 Sem. I (4b)

As Per NEP 2020

University of Mumbai

Syllabus for Basket of OE	
Board of Studies in Botany	
UG First Year Programme	
Semester	**I**
Title of Paper	**Credits 2/ 4**
I) Plants in Everyday Life: A Botanical Exploration (OE)	
II)	
III)	
From the Academic Year	**2024-25**

Name of the Course: "Plants in Everyday Life: A Botanical Exploration"

SEMESTER I		
Sr. No.	**Heading**	**Particulars**
1	**Description of the course:** **Expectations and Goals :**	Introduction, exploration, and practical application of plants in daily life. Understanding the botanical significance and relevance of plants in various aspects of human existence, including medicine, food, and cultural practices. The main objective of "Plants in Everyday Life: A Botanical Exploration": The course aims to provide students with a comprehensive understanding of the diverse roles that plants play in our daily lives. It emphasizes the practical application of botanical knowledge in medicine, nutrition, and cultural contexts.
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 students: 1. Recognize the botanical significance of plants in everyday life. 2. Understand practical applications of plants in various fields, including medicine and nutrition. 3. Comprehend cultural and traditional importance of plants in different societies.	
8	**Course Outcomes**: The students will be able to: 1. Identify and describe the role of plants in daily life. 2. Apply botanical knowledge in various fields, including medicine and nutrition. 3. Reflect on cultural and traditional relation between humans and plants.	

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	Module 1: Everyday Plants and Their Roles in Daily Life (15 lectures) **1.1 Ornamental plants (3 Lectures)** Examples: Spider Plant, Snake Plant, Peace Lily etc. **1.2 Plants in Cooking (Traditional and exotic) (3 Lectures)** Examples: Basil, Rosemary, Mint etc. **1.3 Plants in Home Décor (Indoor and Outdoor plants) (4 Lectures)** Examples: Succulents like Aloe Vera, ZZ Plant, Pothos etc. **1.4 Plants in Healing (Appetizers, Burns, Cold & Cough etc.) (5 Lectures)** Examples: Turmeric, Chamomile, Mulethi, Rose etc. **Module 2: Hands-On Botanical Activities for Daily Life (15 Lectures)** **2.1 DIY Indoor Gardening (3 Lectures)** Examples: Creating a terrarium, cultivating herb etc. **2.2 Planting for Sustainability (3 Lectures)** Examples: Composting kitchen scraps to create nutrient-rich soil and planting native wildflowers to support local ecosystems. **2.3 Botanical Art (4 Lectures)** Examples: Pressed flower bookmarks using petals from Marigold, creating botanical art with leaves, twigs, seeds etc. **2.4 Reflections on role of "Plants in My Daily Life" (5 Lectures)** Examples: A multimedia presentation showcasing a student's personal engagement with plants, including photos, reflections, and creative outputs.	
	Reference Books: 1. **Medicinal Plants of India" by C.P. Khare** 2. **Pharmacognosy and Phytotherapy by Kendall Jefferson** 3. **Phytochemistry and Pharmacology of Medicinal Plants, 2-volume Set by C. Pullaiah** 4. **"A Compendium of Medicinal Plants in India" by By P. K. Warrier, V. P. K. Nambiar, C. Ramankutty, Volume 1-5** 5. **"Medicinal Plants of the Indian Trans-Himalaya: Focus on Tibetan Use of Medicinal Resources" by C.P.Kala** 6. **"Encyclopedia of Indian Medicinal Plants" by C.P. Khare** 7. **"Medicinal Plants: Traditions of yesterday and drugs of tomorrow" by Ameenah Gurib-Fakim** 8. **"Indian Herbal Remedies: Rational Western Therapy, Ayurvedic, and Other Traditional Usage, Botany" by C. P. Khare** 9. **Conserving medicinal species: securing a healthy future. By International Union for Conservation of Nature and Natural Resources, Sriyanie Miththapala, Ecosystems and Livelihoods Group**	
10	**Internal Continuous Assessment: 40%** **Marks 20** Field Report, Assignments, Class test, Presentation and Quiz	**Semester End Examination: 60%** **Marks 30** 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** **Faculty of Science & Technology**