

Lecture Plan

Name of the college: Government college of arts science and commerce Sanquelim-Goa								
Name of Faculty: Anuja Naik				Subject: Botany (Economic and Medicinal botany)				
Paper code: BOD 103			Program/Course: T.Y B.Sc.		Division: A			
Academic year: 2024 - 2025			Semester: V		Total Lectures: 15			
Course Objectives: This course is designed to give an overview of how plants are indispensable to humans. It gives a broad exposure of the various aspects of plants such as their origin, plant resource utilization, conservation and ethnobotany.								
Course Learning Outcome: Gain knowledge of various economically and medicinally important plant species. Utilize the knowledge of cultivation and uses of plants in day to day life. Have an insight on crop research organizations involved in improvement of different economically important crops								
Month	Lectures From:	To:	No. of lectures allotted	Topic, Subtopic to be covered	Learning outcome	Exercise /Assign ment	ICT Tools	Reference books
July	17/07/2024	20/07/2024	0				Powe r point prese ntatio n	Economic botany by BP Pandey. Economic botany by V.Verma
	21/07/24	27/07/24	2	Identification (botanical name and family), description and utilization of plants and/or plant parts	Students are able to identify, describe and list the uses of cereals, millets and pulses			

	1/08/24	3/08/24	0			
	5/08/24	10/08/24	2	Identification (botanical name and family), description and utilization of plants and/or plant parts	Students are able to identify, describe and list the uses of spices, condiments and beverages.	
	12/08/24	17/08/24	2	Identification (botanical name and family), description and utilization of plants and/or plant parts	Students are able to identify, describe and list the uses of vegetable oil source and fiber yielding plants	
	19/08/24	24/08/24	2	Identification (botanical name and family), description and utilization of plants and/or plant parts	Students are able to identify, describe and list the uses of fruit crops, vegetable crops and Sugar and starch crops	
August	26/08/24	31/08/24	2	Identification (botanical name and family), description and utilization of plants and/or plant parts	Students are able to identify, describe and list the uses of rubber yielding plants, timber plant and miscellaneous	

	2/09/24	7/09/24	2	Chemical tests for sesame and groundnut oil and study of oil glands in T.S. of Eucalyptus leaf.	Students perform the chemical test for sesame and groundnut oil also students utilizes the skill to take T.S.of the Eucalyptus leaf to study the oil glands study the presence of oil glands.		
	09/09/24	14/09/24	2	Study of properties and measurement of diameter of plant fibres: cotton, jute and coir.	Students able to recall the properties of fiber plants and also able to measure the diameter of plant fibres: cotton, jute and coir.		
	16/09/24	21/09/24	2	Study of properties and measurement of diameter of plant fibres: cotton, jute and coir.	Students able to recall the properties of fiber plants and also able to measure the diameter of plant fibres: cotton, jute and coir.		
September	23/09/24	28/09/24	2	Study of plants used as sources of drugs as in theory.	Students able to recall the sources of drugs in different plants.		

October	1/10/24	5/10/24	2	Study of plants used as sources of drugs as in theory.	Students able to recall the sources of drugs in different plants.		
	7/10/24	12/10/24	2	Preparation of Holi colours using natural ingredients.	Students uses their skill and knowledge to prepare holi colours with natural ingredients.		
	14/10/24	19/10/24	2	Identification and medicinal value of locally available plants (field visit)	Students able to identify and recall the medicinal value of locally available plants through field visit.		
	21/10/24	22/10/24	2	Identification and medicinal value of locally available plants (field visit)	Students able to identify and recall the medicinal value of locally available plants through field visit.		