

DEPARTMENT OF BOTANY
CURRICULUM PLAN 2022-2023 (ODD SEMESTER)

Dr. Monika Keisham

Semester I

BOT-Generic Elective (GE)-1: Plant Diversity and Human Welfare

Topic	Approximate Schedule (Monthwise)	Assignment/Class Test/Presentation	Suggested Readings
<p>Unit 2: Crop diversity Crop diversity in various phytogeographic regions in India and their traditional importance as food (including cereals, pulses, oil crops, spices, beverages, fruits and nuts, vegetables, condiments), medicines (Ashwagandha and Sarpagandha) and adornments.</p> <p>Unit 3: Role of forests Forests, woodlands, and vegetation stands: diversity and their importance in ecological, aesthetic, and overall well-being; social dimensions of plant diversity; commercial value and utilization of plant wealth.</p>	November, 2022-February, 2023	Assignment, revision and test	<p>Bilgrami, K. S. (1998). Phytodiversification and Human Welfare: Dedicated to Late Prof. KS Bilgrami, FNA (1933-96). MD Publications Pvt. Ltd.</p> <p>Utting, P. (2013). Trees, People and Power. Routledge.</p> <p>Manoharachary, C., Nagaraju, D. (2016). Medicinal plants for human health and welfare. Ann. Phytomed, 5(1), 24-34.</p> <p>Myers, N. (2019). A wealth of wild species: storehouse for human welfare. Routledge</p>

Unit 4: Cash Crops Crops of high economic value (tobacco, sugarcane, cotton, basmati rice, sandalwood, saffron); Petro crops: the future industry (<i>Jatropha</i> sp., corn and sugarcane).			
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