

NWFP 102: MEDICINAL AND AROMATIC PLANTS (Credit 06)

SYLLABUS

Medicinal and aromatic Plants: definition, medicinal plant resources of India and Uttarakhand; traditional knowledge of MAPs; sustainability and threats to MAPs; survey, collection and processing; concept of sustainable harvesting and management of MAPs; Conservation of MAPs; MAPs and their variety of uses; RET species and their conservation

UNIT SCHEDULE

Unit 1. History, scope, opportunities and constraints in the cultivation and utilization of medicinal and aromatic plants in India

Unit 2. Traditional knowledge of MAPs

Unit 3. Sustainability and threats to MAPs

Unit 4. Medicinal Plant Resources of India

Unit 5. Collection and processing of MAPs

Unit 6. Survey and assessment of MAPs

Unit 7. Sustainable harvest and management of MAPs

Unit 8. In-situ and ex-situ conservation of MAPs

Unit 9. Medicinal plants and their uses I: pepper, cardamom, clove, ginger

Unit 10. Medicinal plants and their uses II: turmeric, betelvine, periwinkle, Rauvolfia,

Unit 11. Medicinal plants and their uses III: *Dioscorea*, isabgol, *Ammi majus*, *belladonna*

Unit 12. Medicinal plants and their uses IV: *Cinchona*, *Pyrethrum* and other species of Uttarakhand

Unit 13. Aromatic plants I: Citronella grass, khus grass, sweet flag (bach)

Unit 14. Aromatic plants II: lavender, geranium, patchouli, bursera

Unit 15. Aromatic plants III: *Mentha*, *muskdana* (musk mallow), *Ocimum* and other species of Uttarakhand

Unit 16. Rare-Endangered and threatened medicinal and aromatic plants of India and their conservation