

AMH24 MEDICINAL AND AROMATIC CROPS

UNIT-1 THEORY:

- 1.1 History, scope, opportunities and constraints in the cultivation and maintenance of medicinal and aromatic plants in India.
- 1.2 Importance, origin, distribution, area, production, climatic and soil requirements, propagation and nursery techniques, planting and after care, cultural practices, training and pruning, nutritional and water requirements.
- 1.3 Plant protection, harvesting and processing of under mentioned important medicinal and aromatic plants.
- 1.4 Study of chemical composition of a few important medicinal and aromatic plants, extraction, use and economics of drugs and essential oils in medicinal and aromatic plants.
- 1.5 Therapeutic and pharmaceutical uses of important species.
- 1.6 Methods of oil extraction, Storage techniques of essential oils.
- 1.7 Medicinal Plants: Withania, periwinkle, Rauvolfia, Dioscorea, Isabgol, opium poppy Ammi majus, Belladonna, Cinchona, Pyrethrum and other species relevant to local conditions.
- 1.8 Aromatic Plants: Citronella grass, khus grass, flag (baje), lavender, geranium, patchouli, bursera, menthe, musk, ocimum and other species relevant to the local conditions.
- 1.9 Marketing.

UNIT-2 PRACTICAL

- 2.1 Collection of medicinal and aromatic plants from their natural habitat and study their morphological description,
- 2.2 Nursery techniques, harvesting, curing and processing techniques and extraction of essential oils.

Reference Books:

1. Chadha, K.L. ICAR, 2001. Hand Book of Horticulture. Directorate of Information and Publications of Agriculture, Pusa, New Delhi.
2. Azhar Ali Farooqui and Sreeramu, B.S. 2001. Cultivation of medicinal and aromatic plants. United Press Limited.
3. Atal, E.K. and Kapur, B. 1982. Cultivation and Utilization of Medicinal and Aromatic plants. CSIR, New Delhi.