

# AMH15 PLANTATION CROPS

## UNIT-1 THEORY

- 1.1 History and development, scope and importance,
- 1.2 Area and production, export and import potential, role in national and state economy, uses, industrial importance, by products utilization, soil and climate, varieties, propagation:
- 1.3 Principles and practices of seed, vegetative and micro-propagation,
- 1.4 Planting systems and method, gap filling, systems of cultivation, mulching, shade regulation,
- 1.5 Weed and water management, training, pruning and handling, nutrition, foliar feeding, role of growth regulators, soil management, liming practices,
- 1.6 Tipping practices, top working, physiological disorders,
- 1.7 Harvesting, post-harvest handling and processing, packaging and marketing,
- 1.8 Yield and economics of coconut, arecanut, oil palm, palmyrah palm, cacao, cashew nut, coffee, tea and rubber.

## UNIT-2 PRACTICAL

- 2.1 Description and identification of coconut varieties,
- 2.2 Selection of coconut and arecanut mother palm and seed nut,
- 2.3 Planting of seed nuts in nursery,
- 2.4 Layout and planting of coconut, arecanut, oil palm, cashew nut, cacao gardens, manuring, irrigation; mulching, raising masonry nursery for palm, nursery management in cacao.
- 2.5 Description and identification of species and varieties in coffee,
- 2.6 Harvesting, grading, pulping, fermenting, washing, drying and packing of coffee,
- 2.7 Seed berry collection, seed extraction, treatment and sowing of coffee, epicotyl, softwood, grafting and top working in cashew,
- 2.8 Working out the economics and project preparation for coconut, arecanut, oil palm, cashew nut, cacao, etc.
- 2.9 Mother plant selection, preparation of cuttings and rooting of tea under specialized structure, training, centering, pruning, tipping and harvesting of tea.

## References Books:

1. Kumar, N.J.B. M. Md. Abdul Khaddar, Ranga Swamy, P. and Irrulappan, I. 1997. Introduction to spices, Plantation crops and Aromatic plants. Oxford & IBH, New Delhi.
2. Thampan, P.K. 1981. Hand Book of Coconut Palm. Oxford IBH, New Delhi.
3. Nair 1979. Cashew. CPCRI, Kerala
4. Wood, GAR, 1975. Cacao. Longmen, London