

# AMH10 TEMPERATE FRUIT CROPS

## UNIT-1 THEORY

- 1.1 Classification of temperate fruits, detailed study of areas, production,
- 1.2 Varieties, climate and soil requirements, propagation, planting density, cropping systems,
- 1.3 After care training and pruning, self-incompatibility and pollinisers,
- 1.4 Use of growth regulators, nutrient and weed management, harvesting,
- 1.5 Post-harvest handling and storage of apple, pear, peach, apricot, plum, cherry, persimmon, strawberry, kiwi, Queens land nut (Mecademia nut),
- 1.6 Almond, walnut, pecan nut, hazel nut, chest nut and pistachio nut.
- 1.7 Re-plant problem, rejuvenation and special production problems like pre-mature leaf fall,
- 1.8 Physiological disorders, important insect- pests and diseases and their control measures.
- 1.9 Special production problems like alternate bearing problem and their remedies.

## UNIT-2 PRACTICAL

- 2.1 Nursery management practices, description and identification of varieties of above crops, manuring and fertilization, planting systems, preparation and use of growth regulators,
- 2.2 Training and pruning in apple, pear, plum, peach and nut crops.
- 2.3 Visit to private orchards to diagnose maladies.
- 2.4 Working out economics for apple, pear, plum and peach.

## References Books:

1. Chattopadhyay T.K.2009.A text book on Pomology-IV Devoted to Temperate fruits. Kalyani Publishers.B-1/292,Rajinder Nagar,Ludhiana-141008
2. Banday F.A. and Sharma M.K.2010.Advances in Temperate Fruit Production. Kalyani Publishers.B-1/292, Rajinder Nagar, Ludhiana-141008.
3. Kaushal Kumar Misra.2014.Text book of Advanced Pomology. Biotech Books.4762-63, Ansari Road, Darya Ganj, New delhi-11002.