

## 2.17 31617 DISEASES OF HORTICULTURAL CROPS AND THEIR MANAGEMENT

### UNIT-1 THEORY

- 1.1 Etiology, symptoms and integrated management of important diseases due to fungi, bacteria, viruses, phytoplasma, phanerogamic parasites of the following horticultural crops.
- 1.2 Fruits: Mango, Banana, Citrus, Grapes, Guava, Sapota, Pomegranate, Papaya, Jack, Pineapple, Ber, Apple, Pear, Plum
- 1.3 Vegetables: Brinjal, Tomato, Bhendi, Cucurbits, Crucifers, Beans, Peas, Potato, Sweet potato, Radish and Cassava.
- 1.4 Mushroom: Cultivation techniques of and Pleurotus, Agaricus, Calocybe and Volvariella
- 1.5 Spices and condiments: Onion, Garlic, Chillies, Cardamom, Pepper, Turmeric, Ginger, Betelvine, Coriander, Fenugreek, Clove and Nutmeg
- 1.6 Plantation crops: Tea, Coffee, Cocoa, Rubber, Coconut Arecanut and Cashew
- 1.7 Flowers : Jasmine, Rose, Crossandra, Chrysanthemum, Tube rose, Carnation,
- 1.8 Medicinal plants: Gloriosa, Stevia, Senna, Coleus, Aloe vera, Solanum nigrum and Withania.

### UNIT-2 PRACTICAL

- 2.1 Identification, Etiology, symptoms, Mode of spread, survival and management of major of Fruits, Vegetables,
- 2.2 Plantation crops, Spices and condiments, Flowers and medicinal plants.
- 2.3 Cultivation techniques for mushroom Collection and preservation of diseased specimens

### References Books:

1. Arjunan.G. Karthikeyan, G, Dinakaran ,D. Raguchander, T. 1999 Diseases of Horticultural Crops, AE Publications, Coimbatore.