

Syllabus

B.Sc. (General) Sixth Semester

UNIT-I

Crop production : Area of cultivation, soil requirement, cultivation practices and high yielding varieties of : (i) Cereals (Wheat, Rice and Maize) ; (ii) Fibres (Cotton) ; (iii) Vegetables (Potato)

UNIT-II

Crop production : Area of cultivation, soil requirement, cultivation practices and high yielding varieties of :

- (i) Fruits (Mango, Grapes, Lemon) ;
- (ii) Sugar-yielding plants (Sugarcane)
- (iii) Oil-yielding plants (Groundnut, Mustard)

UNIT-III

Elementary knowledge of the following plants (Botanical names, families, parts used and economic importance) :

- (i) Wheat, Maize, Rice, Moong, Gram (Food).
- (ii) Teak, Shisham, Deodar, Sal (Timbers).
- (iii) Cotton, Jute, Coir, Flax (Fibres).
- (iv) Fennel, Coriander, Turmeric, Ginger, Mint, Clove (Spices and Condiments).

UNIT-IV

Elementary knowledge of the following plants (Botanical names, families, parts used and economic importance).

- (i) Bamboo, Eucalyptus (Pulp plants).
- (ii) Liquorice, Belladonna, Aconite, Ashwagandha, Arjun, Poppy, Amla (Medicinal plants).
- (iii) Tea and Coffee (Beverages)

Forestry : Forest conservation, wood seasoning and its preservation.

PRACTICAL

Identification and morphology of economically important part/s of crop plants mentioned below. Cereals (wheat, rice); Fibres (cotton); Vegetables (potato); Fruits (mango, grapes, lemon); sugaryielding plants (sugarcane) and oil-yielding plants (groundnut, mustard).