

**VEER NARMAD SOUTH GUJARAT, UNIVERSITY, SURAT**

**T.Y. B. Sc. BOTANY SYLLABUS (AS PER CBCS)**

**EFFECTIVE FROM JUNE-2013**

**SEMESTER-V**

**CAN SUBJECT : HORTICULTURE**

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**Unit-1**

**Introduction of Horticulture**

- Definition, Aims, Branches and importance of horticulture
- Propagation Methods
  - Cutting
  - Layering
  - Through Specialized structures (Corm, Rhizome, bulb, tuber, runner, sucker)
  - Budding,
  - Grafting

**Unit-2**

**Preservation**

- Definition, principles, different methods of preservation and storage of fruits and vegetables.
- Preparation of Jam, Jelly and Sauce.
- Causes of spoilage of fruits
- Role of Hormones in Horticulture



### Unit-3

#### Cultivation of Fruit plants

- Cultivation of following fruit crops with reference to their origin, distribution, climate, soil, propagation, method of cultivation, harvesting and at least three varieties of each crop
- |             |            |
|-------------|------------|
| I. Mango    | V. Coconut |
| II. Banana  | VI. Lemon  |
| III. Sapota | VII. Guava |
| IV. Papaya  |            |

### Unit-4

#### Cultivation of Vegetable plants

- Cultivation of following vegetable crops with reference to their origin, distribution, climate, soil, propagation, method of cultivation, harvesting and at least three varieties of each crop
- |                   |             |
|-------------------|-------------|
| I. Carrot         | V. Cucumber |
| II. Potato        | VI. Cabbage |
| III. Brinjal      | VII. Methi  |
| IV. Lady's finger |             |

