

GENERAL INFORMATION

Name of the Trade : Horticulture Assistant

2. N.C.O. Code No. : 53.20

3. Duration of Apprentice - Two years including one year Basic Training.

4. Entry Qualification : Pass 10th class examination under 10+2 system of education or its equivalent.

Ratio of Apprentice to: 1:7
Workers.



SYLLABUS FOR THE TRADE OF HORTICULTURE ASSISTANT

APPRENTICESHIP TRAINING SCHEME

Period of Training- 2 Years

Sl. No.	Operations/Skills to be learnt during basic training.

- Identification of different spicies and varities of fruits.
- 2. Identification of various vegetables their seeds & plants.
- Preparation of nursery and seed bed.
- Practice in manuring, sowing, transplanting and other cultural operations of vegetable crops.
- 5. Layout of orchards and planting of trees.
- 6. Practice in sowing in pots and trays.
- Identification of horticultural tools and their use.
- Identification of ornamental plants and their seeds.
- 9. Preparation of flower beds and tree pits.
- 10. Lifting of plants from nursary and their packing.
- Preparation of compost mixtures and manuring practice in nursary and pots.
- 12. Practice of layout of different systems of irrigation.

Operations/Skills to be learnt during Apprenticeship

- Practice in trimming, prunning and thinning.
- 2. Practice in budding, cutting, layering and grafting etc.
- Identification of pests and disease of vegetables, flower plants fruit trees.
- Preparation of doses of insecticides weedicides, fungicides and pesticides.
- Spraying and dusting practice with suitable equipments.
- Practical excercises in picking, grading and marketing of flowers, fruits and vegetables.
- Fruit processing, vegetable dehydration practice.
- Selection, grading packing of flowers, vegetables and fruits.

1.

- 9. Layout practice of land scape gardening and orchard.
- Practice in growing pot plants under green house conditions.
- 11. Practice of flower arrangements.
- Any other practice which may be deemed necessary for the course.

TRADE THEORY - 1ST YEAR

(12 Hrs. per week or 600 Hrs. per year approximate)

No. of Hours.

1. General Principles:

Types of soils soil management practice choice of crops, manures and fertilizers, nursary raising and their transplantation, seed bed preparation methods of plant propogation.

100 Hrs.

2. Nursary Production:

Principles and practices involved in site selection, layout, soils, fertilizers, lifting transplanting etc.

100 Hrs.

3. Plant Propogation:

Seeding, budding, cutting and layering techniques of propogation and their methods with reference to particular crops. 60 Hrs.

Fruit Growing:

Selection of site, preparations of land and 120 Hrs. nursary, layout of orchards, General-Principles and practices involved in cultivation of important fruits.

5. Vegetable Growing:

Scope and importance of vegetable growing types 120 Hrs. of vegetables, classification of vegetable crops, cultivation practice for important winter and summer vegetable crops