

63

GENERAL INFORMATION

- 37
1. Name of the trade : Gardener
  2. N.C.O. Code No. : 652.10
  3. Duration of Apprenticeship Training : One Year  
(including one week Basic Training)
  4. Entry Qualification : ~~Passed 10<sup>th</sup> class examination under 10+2 system of education or its equivalent.~~  
*Passed 8<sup>th</sup> class examination from recognised school or its equivalent. as confirmed by Mr. Damodararam, Trainee officer R D A T*
  5. Rebate to Ex-Craftsmen Trainees : Nil
  6. Ratio of Apprentice to Workers : 1:2
  7. Examination : Practical and Trade Theory at the end of training

SYLLABUS FOR THE TRADE OF "GARDENER" UNDER  
APPRENTICESHIP TRAINING SCHEME

Period of Training : One Year

38

BASIC TRAINING ( ONE WEEK ) :

1. Objectives of gardening, Branches of Horticulture, gardening and environment, qualities of successful gardener.
2. Familiarisation with various types of vegetable plants, seeds, various types of flowers, seasonal flowers, Fertiliser, pesticides, their uses.
3. Familiarisation with different tools and equipments used in gardening work.
3. Safety precaution to be observed in handling the Horticulture tools, equipments and materials.

TRADE PRACTICAL :

1. Familiarisation of different types of soil and sites.
2. Treatment of soil in different climate conditions
3. Familiarisation and identification of various vegetables, seeds and plants, various types of flowers, seasonal flowers seeds, fertilizers pesticides, - their uses.
4. Preparation of nursery and seed bed of different flowers and plants and after care.
5. Practice in manuring, sowing, transplanting various flowers and plants.
6. Familiarisation of horticultural tools and their uses. Handling and maintenance of gardening equipment.
7. Preparation of different flower beds and tree pits.
8. Preparation of composite mixture and manuring practice in nursery and pots.
9. Practice in different system of irrigation.
10. Culture of Annuals, Shrubs, chrysanthemum, Dalia, Rose, house plants; flowers, Palms and Ferns, Cacti.
11. Practice in trimming, pruning and thinning
12. Practice in budding, cutting, layering and grafting etc.
13. Development and maintenance of lawns.
14. Identification of pests and diseases of flower plants and fruit trees.
15. Preparation of doses of insecticides, weedcites, fungicides and pesticides.
16. Spraying and dusting practice with suitable equipment.
17. Practice in preservation of seeds and fruits.
18. Selection, grading, packing of flowers and fruits.
19. Layout practice in landscape gardening and orchard.
20. Practice in growing plants in green house conditions.
21. Practice of flower arrangements.
22. Cultivation of hedge and edge plants – selection of site and plants.
23. Visit to nurseries and Horticulture.
24. Storing, packing and transportation.
25. Revision and Test.

(17)

**THEORY :**

39

**Introduction :** Objective of Gardening and Horticulture, Gardening and Environment, qualities of successful gardener.

**1. General Principle :**

Types of soils – composition, Reaction, Soil Amendment, Pot Mixture, Repotting.

Plant food, manures and fertilizer, organic and inorganic, Bio-fertilizer, liquid manures, method and time of fertilizer use.

Nursery raising and their transplantation

Seed bed preparation and method of plant propagation. Handling and Maintenance of gardening equipments.

**2. Nursery Production :**

Principle and practice involved in site selection, layout, soils, lifting and transplanting etc. Safety precautions.

**3. Plant Propagation :**

Cultivation of annuals (Summer, Rainy and Winter seasons) seeding, budding, cutting and layering techniques of propagation and their method.

**4. Flori-Culture:**

Classification of flowers, their nursery production, study different types of herbs and shrubs for Hedge purpose.

**5. Seed Production**

Method of seed production, sowing, after care etc. harvesting, processing and storage.

**6. Landscape Gardening:**

Principles of landscape design for house Gardens, Public parks, preparation of complete landscape.

- a. Growing plants under Green house condition
- b. Flower and foliage arrangements
- c. Preparation of estimate
- d. Record keeping

**7. Storing, packing and transportation.**

**Revision and Test.**